



TR-173

TECHNICAL REPORT

BOTTOM AND SUBBOTTOM INVESTIGATION
OF PENOBSCOT BAY, MAINE, 1959

CHARLES OSTERICHER, JR.

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A B S T R A C T

During the summer and early fall of 1959, bottom sediment samples were collected and Sonoprobe records were obtained as a part of an inshore survey in Penobscot Bay, Maine.

The Sonoprobe is described, its operation is explained, and its capabilities are discussed.

In the investigation of the bottom and subbottom of Penobscot Bay, Maine, the geographic setting and bathymetry of the area are described, and the geologic history of the region and the previous work done in the area are reviewed.

Survey observations are discussed and bottom sediment and Sonoprobe data are presented.

Sediment data are compared and correlated with Sonoprobe records that were obtained over the bottom sample station locations.

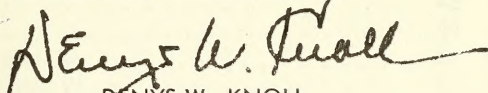
Grain-size analyses were made on 168 bottom samples and approximately 70 miles of Sonoprobe runs were recorded.



FOREWORD

This report presents the results of the correlation and comparison of the bottom and subbottom sediment samples and the high resolution subbottom profiler records taken during 1959 in Penobscot Bay, Maine.

The results of the correlation and comparison of the bay sediments with the high resolution subbottom profiler records have aided considerably in the understanding and interpretation of the complex sequence of events that may have occurred over the recent past in this typical estuary of the glaciated northeastern coast of North America.



DENYS W. KNOLL
Rear Admiral, U. S. Navy
Commander
U. S. Naval Oceanographic Office



CONTENTS

	Page
I. INTRODUCTION	1
II. THE SONOPROBE	1
A. General	1
B. Instrument Operation	1
C. Instrument Capabilities and Recordings	3
III. THE SURVEY AREA: PENOBSCOT BAY, MAINE	
A. Geographic Setting	4
B. Bathymetry	5
C. Geologic Setting and Previous Work in the Area	5
IV. SURVEY OBSERVATIONS	
A. Oceanographic Observations	8
B. Bottom Sampling	9
C. Sonoprobe Runs	9
V. ANALYSIS OF SURVEY DATA	
A. Sediments of Penobscot Bay	30
B. Sediment-Sonoprobe Correlation	35
C. Interpretation of Subbottom Records	
1. General	41
2. Sonoprobe Runs	43
a. Run I	43
b. Run II	44
c. Runs VII, VIII, and IX	44
d. Runs III, IV, V, and VI	45
e. Run XI	45
VI. CONCLUSIONS	45
REFERENCES	51

PLATES

PLATE I. Sonoprobe Deck Units	2
PLATE II. Hard Clay Samples	36

APPENDIX

List of All Bottom Sediment Stations Taken During 1959 Penobscot Bay Survey	54
Bottom Sediment Analysis Sheets	58

FIGURES

	Page
Figure 1. Penobscot Bay Bathymetry	6
Figure 2. Penobscot Bay Bottom Sample Stations	10
Figure 3. Penobscot Bay Sonoprobe Tracks	12
Figure 4. Strip Charts of Sonoprobe Run I	14
Figure 5. Strip Charts of Sonoprobe Run I (continued)	15
Figure 6. Strip Charts of Portions of Sonoprobe Run I	16
Figure 7. Strip Charts of Sonoprobe Run II	17
Figure 8. Strip Charts of Sonoprobe Runs III, IV, and V	18
Figure 9. Strip Charts of Sonoprobe Run VI	19
Figure 10. Strip Charts of Sonoprobe Run VII	20
Figure 11. Strip Charts of Sonoprobe Run VIII	21
Figure 12. Strip Charts of Sonoprobe Run IX	22
Figure 13. Strip Charts of Sonoprobe Run XI	23
Figure 14. Strip Charts of Sonoprobe Run XI (continued)	24
Figure 15A. Sonoprobe Runs over Rockland Harbor and Bottom Sample Locations in Penobscot Bay	25
Figure 15B. Sonoprobe Runs over Bottom Sample Locations in Penobscot Bay	26
Figure 15C. Sonoprobe Runs over Bottom Sample Locations in Penobscot Bay	27
Figure 15D. Sonoprobe Runs over Bottom Sample Locations in Penobscot Bay	28
Figure 15E. Sonoprobe Runs over Bottom Sample Locations in Penobscot Bay	29
Figure 16. Sand-Silt-Clay diagrams for Grab Samples and the Tops of Cores	33
Figure 17. Median Diameter (Md ϕ) of the Grab Samples and the Tops of the Cores versus Depth of Water	34
Figure 18. Penobscot Bay Area Bedrock Lithology	46

TABLES

1. Penobscot Bay Sonoprobe Run Fix Locations	13
2. Description of Cores and Corresponding Sonoprobe Record	38

I. INTRODUCTION

As part of the inshore survey of Penobscot Bay in the summer and early fall of 1959, many grab samples, cores, and Sonoprobe records of excellent quality were obtained. This report attempts to utilize the bottom and subbottom data, oceanographic information, and historical data to arrive at an overall picture of past and present sedimentation in Penobscot Bay. Particular emphasis is placed upon the use and evaluation of the Sonoprobe as a tool for obtaining geological data.

II. THE SONOPROBE

A. General

The Sonoprobe, manufactured by Scientific Service Laboratories, is an instrument for measuring the depth of water and the depth and thickness of sedimentary beds beneath the sea bottom by acoustic means. The parameter measured is the time lapse between the outgoing signal and the reflected signal. Signals are pulsed at a rate of 12/sec. The reflections are recorded on chart paper which is drawn through a recorder. As the survey ship passes over the bottom, a continuous trace of bottom and subbottom reflections is recorded.

B. Instrument Operation

The Sonoprobe consists of two hull mounted transducers; the transmitting transducer and the hydrophone, and four deck units; the Pulser, the Control-Display Unit, the Recorder, and the Precision 60-cycle Power Unit (Plate I).

The pulser drives the transmitter at frequencies of 3, 4.5, or 6 kc. The pulse duration is 0.3 millisecond. At the instant of discharge, voltages up to 1000 volts and currents to 1000 amperes are attained.

These high intensity pulses of acoustic energy are transmitted into the water from the magnetostrictive transducer mounted in the hull of the survey ship. The energy is peaked in the downward direction and forms a cone with approximately a 30° angle. Part of the signal is reflected at the water bottom, and part penetrates the bottom material where it is absorbed or reflected by acoustic discontinuities in the subbottom sediments. The hull mounted hydrophone receives the energy of the reflected signals and converts it into electrical energy.

Signals from the hydrophone are applied to the Control-Display Unit where they are filtered, amplified, displayed, and passed on to the recorder. The filters are variable and serve to eliminate ship's noise and other extraneous signals.

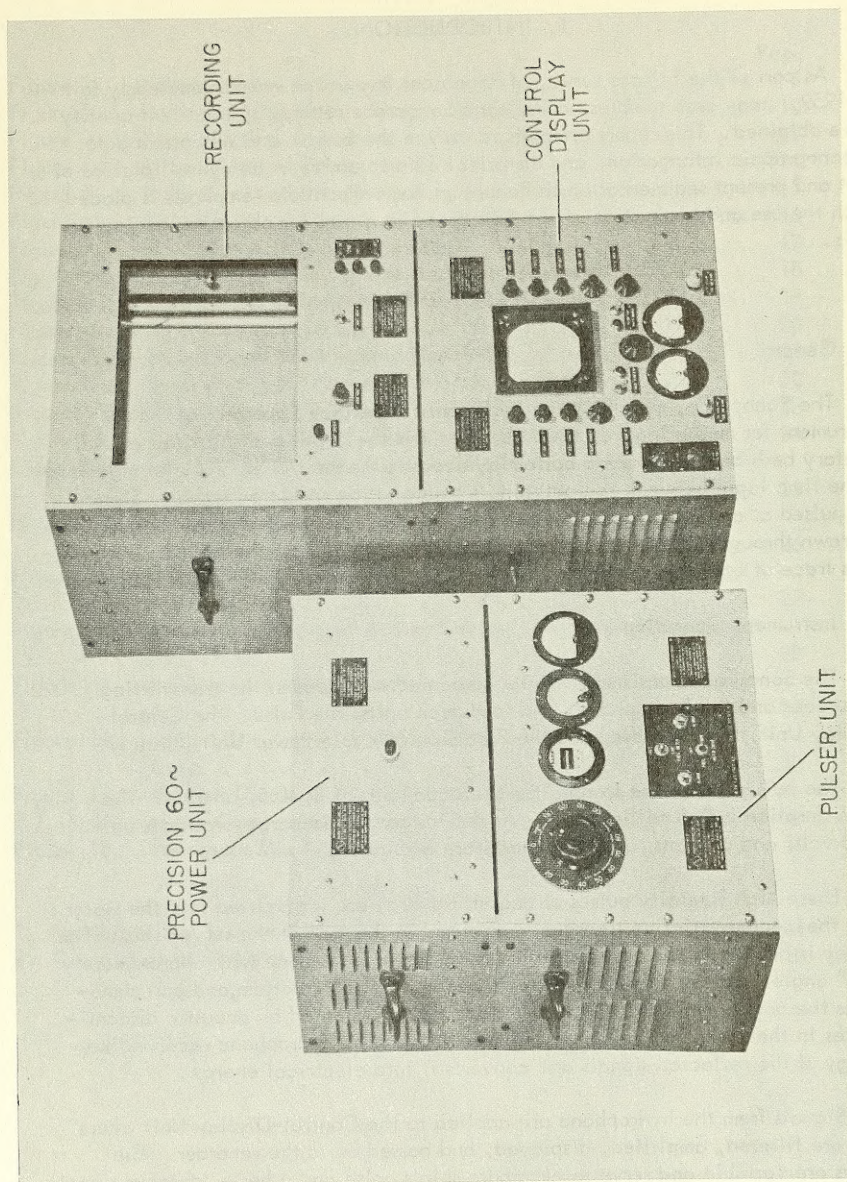


PLATE I. SONOPROBE DECK UNITS

The signal from the filter is applied to the logarithmic type amplifier. Here, low level signals receive a higher gain than high level signals so that weak reflections may be recorded along with strong signals. The output from the amplifier passes to the level control and printing circuits where a means of selecting the smallest signal to be displayed and/or recorded is provided.

The Recording Unit starts each cycle of operation and makes a record of signals received. The recording paper passes between a flat blade and a revolving drum that is wound with a single helix of wire. The pulse of acoustic energy is transmitted at the instant when a point connecting the blade and the wire is at the top of the paper; the zero depth position. The drum rotates at a rate so that each inch from the top of the paper represents $8 \frac{1}{3}$ milliseconds of travel time. On the assumption that the velocity of propagation of the signal through seawater is 4800 ft/sec, each inch down the recording paper equals 20 feet of depth to a reflecting horizon. When a signal is detected by the hydrophone a spark passes between the blade and the wire on the rotating drum, at the point of contact, and a mark is made on the electrosensitive paper. The paper is 10 inches wide and lined in increments of $\frac{1}{2}$ inch, each representing 10 feet of depth.

The Precision Power Unit provides the regulated power necessary to drive the recording drum at the precise speed needed for synchronization of the system.

C. Instrument Capabilities and Recordings

Bottom penetration of the acoustic signal under favorable conditions of water depth and bottom type is 100 feet to perhaps a maximum of 200 feet. Soft mud bottoms permit the greatest signal penetration whereas clean sands and gravels reflect nearly all of the signal. The use of the instrument is believed to be limited to water depths of less than 700 feet. Although the instrument is limited in penetration capability, its usefulness is demonstrated by its high resolution of bottom and subbottom features. This high resolution is not equaled by instruments with greater penetration capability.

The resolution capabilities of subbottom profiling instruments are dependent upon the frequency and pulse duration of the acoustic signal. It is possible to detect subbottom discontinuities as thin as $\frac{1}{2}$ wave length of the acoustic signal. For the Sonoprobe, the wave lengths in water are 1.6 and 0.8 feet for the 3 kc. and the 6 kc. signals, respectively. The short pulse durations permit only a single cycle of a 3.8 kc. wave to be transmitted at each pulse. In practice the resolving power of the Sonoprobe is 1 to 3 feet (McClure, et.al., 1958, Moore, 1960).

The calibration velocity of the instrument is 4800 ft/sec; therefore, the depth of the bottom and the layers beneath the bottom will be recorded at their true

depths if the sound velocities of the media equal the calibration velocity. This value is a reasonable average velocity for seawater, and deviation from this figure will result in only slight depth errors in shallow water. In unconsolidated and porous sediments the sound velocity is different than the instrument calibration velocity, but here again the velocity differences are usually not great, and the thickness of sediment penetrated not large, so that errors in sediment thickness are not excessive for most applications.

Recordings may be made at two scale settings: either normal or one-half scale. Changes in the scale settings do not change the vertical scale of 1/2 inch per 10 feet, only the relative position of the zero line is affected. Using the normal setting, zero depth is at the top of the paper. At the one-half scale setting, the zero position is located at the 100-foot line of the normal scale, or the center of the recording paper. When the pulse is transmitted a black line is recorded directly beneath the zero position.

Scale changes are made during a run in an attempt to keep the bottom and subbottom reflections in proper sequence on the recording. (In this report the reproductions of the Sonoprobe records have been adjusted so that the bottom trace is continuous regardless of scale changes.) In general, the water bottom, subbottom reflections, and bedrock can be recorded in the 200-foot span of the recorder. Multiples may, however, overlap the trace of actual bottom and subbottom features. Multiples occur when the original reflected signal is again partly reflected at the water-air interface or other reflecting surfaces above the horizon in question. This energy is then directed downward to start another cycle and to be eventually recorded. In most cases the multiples are easily distinguished (section V, C below), but they may become a problem in shallow water where the bottom and subbottom features are horizontal.

In operation, various frequencies and filter settings are used to obtain the best penetration and subbottom definition. Many of the notations on the records refer to these changes. The effects of these changes are monitored on the display scope mounted on the Control-Display Unit. When the best penetration is displayed the printing controls are adjusted to obtain the desired subbottom record.

III. THE SURVEY AREA: PENOBSCOT BAY, MAINE

A. Geographic Setting

Penobscot Bay is an estuary located in the central portion of the Maine coast that opens into the Gulf of Maine at 69°W. The bay, extending northward from the coastline at 43°58' N. to the mouth of the Penobscot River, is about 28 miles long. Of the many islands in the bay, Long Island, North Haven Island, and

Vinalhaven Island are the largest. These islands divide the bay into East Penobscot Bay and West Penobscot Bay.

B. Bathymetry

The bathymetry of the bay and its approaches, shown in Figure 1, was taken from Coast and Geodetic Survey (C&GS) charts 310, 311, 313, and 322 and is plotted on a base taken from C&GS chart 1203. The bottom of the bay is very irregular with many isolated highs and depressions. South of the latitude of Rockland, the bay deepens rapidly to a maximum of about 540 feet and shoals to 250 feet 5 miles farther south. A possible continuation of this basin may be the channel curving to the southeast as suggested by the contours. The topography in the approaches to Penobscot Bay is also very irregular, but depths gradually increase toward the Gulf of Maine where the bottom topography is similarly very irregular (Murray, 1947).

C. Geologic Setting and Previous Work in the Area

The shores and islands of Penobscot Bay consist of argillaceous metasediments, limestone, quartzite, and intrusive and extrusive acid and basic igneous rocks, all of Early and Middle Paleozoic age (Bastin, 1908). These rocks usually are exposed along the shores of the bay and its approaches and are only thinly covered with glacial and postglacial deposits elsewhere in the region.

Relatively little is known of the glacial and postglacial history of Maine. Problems that have not as yet been resolved include: the southern limit of glaciation, the number of glaciations, the duration of glaciation, and the number and extent of sea level changes during late glacial and postglacial time.

It is believed that there were at least two major glacial advances over Maine during the Pleistocene. The glaciation apparently did not result in a drastic alteration of the original topography (Johnson, 1925). The soil and weathered bedrock were removed, but large scale ice erosional features are generally lacking.

The evidence for the two glacial advances rests primarily on two sequences of marine sediments, one preceding and one following esker formation. The sequence of deposits from the youngest to the oldest is as follows: (Leavitt and Perkins, 1935)

- Marine sediment.

- Drift, including eskers. Ice flow south.

- Marine sediments. Sediments deformed as though by bergs.

- Drift, including eskers. Ice flow southeast.

Flint (1953) suggests that the older drift is part of the Iowan-Tazewell Complex and that the younger drift represents the Cary substage of the Wisconsin glaciation. The

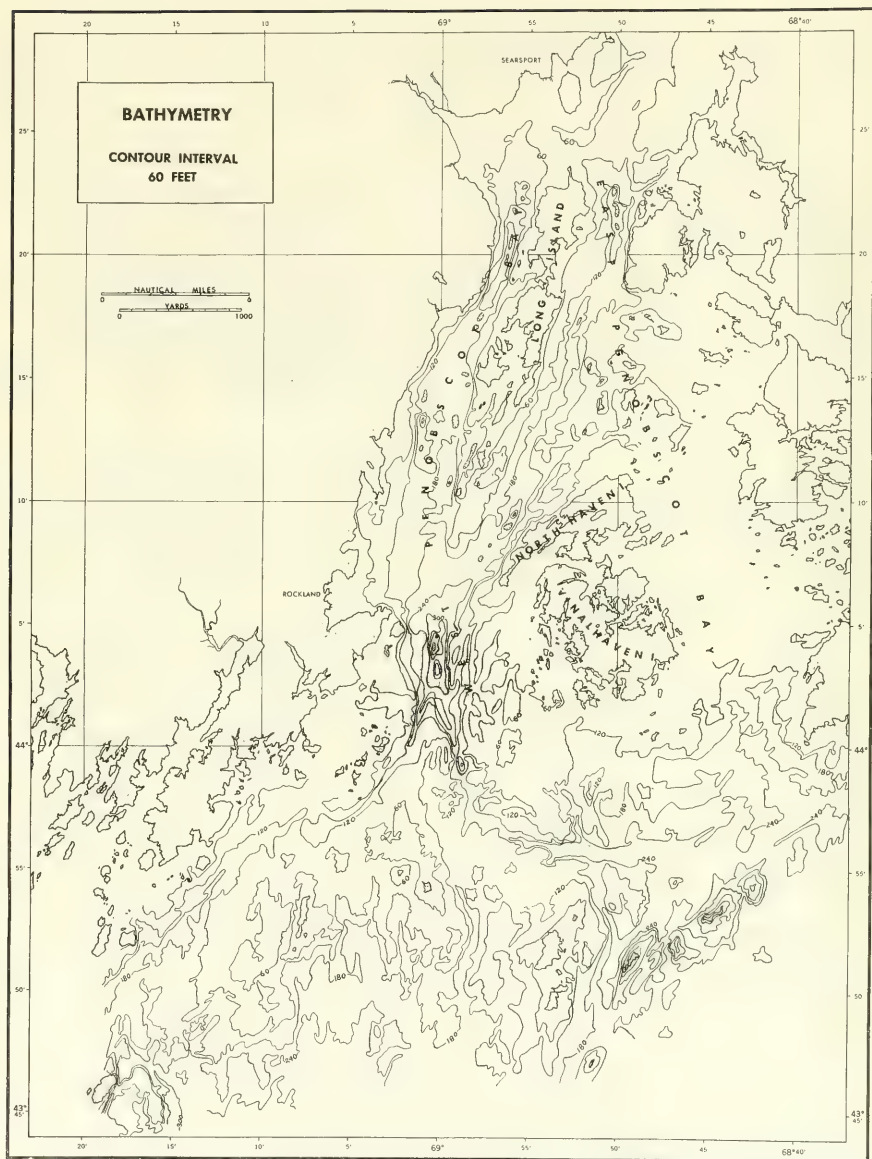


FIGURE 1. PENOBSCOT BAY BATHYMETRY

Cary drift border passes into the sea at Boston and probably lies in the Gulf of Maine. Pollen profiles from Aroostock County, in northern Maine, seem to indicate that the Cary Ice Sheet was the last to occupy Maine and that the Late Wisconsin Mankato Ice Sheet probably did not extend farther south than the northern part of the state (Deevey, 1951; Flint and Deevey, 1951). Its proximity is reflected by a return of a tundra type climate to northern Maine.

Following, or possibly concurrent with, the retreat of the last ice sheet from southern Maine, the sea advanced over the isostatically depressed coastal area. Leavitt and Perkins (1935) believe that the sea reached a maximum of 300 feet above present sea level at Searsport. Other evidence by Deevey (1951) and by Bloom (1959), working in southwestern Maine, indicates that this figure is of the right order of magnitude. Radiocarbon dating of marine shells at Waterville, Maine, gave a date of $11,800 \pm 240$ years B.P. for the time of maximum submergence (Bloom, 1959, p.80). This date is probably applicable to the Penobscot Bay region, and it closely corresponds to the Two Creeks Interval; the Cary-Mankato Interval.

Isostatic recovery of the depressed land areas following deglaciation resulted in a retreat of the sea. Bloom (1959, p.85), interpreting a pollen profile (Deevey, 1951) from Muddy Pond in Kennebec County, believes that emergence was in progress 7,000 to 8,000 years ago. Emergence may have continued until sea level was at least 35 feet below present level (Bloom, 1960). Bloom (1960) states that sea level in Maine has been at ± 10 feet for the past 6,000 years. Flint and Deevey (1951) cite a former emergence of 15 to 30 feet at the Boylston Street fishwrier site in Boston. Radiocarbon dates place this emergence at about 5,700 years B.P. and submergence about 3,850 years ago. The dates and extent of postglacial emergence in coastal Maine are still not known precisely. The coast of Maine is currently undergoing gradual submergence (Marmer, 1949).

The glacial and postglacial sediments in the Penobscot Bay area have been described by Bastin (1908) and Smith, Bastin, and Brown (1907). The till in the region is thin and irregular, reaching a maximum of 40 to 50 feet in valleys and depressions. Outwash sands and gravels are rare in the southern part of the area, but they become more abundant to the north. These deposits lie on fresh bedrock.

The transgression of the sea resulted in the deposition of the marine clays so prevalent in southern Maine. The clays are described by Bastin (1908) to be yellowish gray to blue gray, very fine grained, and free of pebbles and sand. The clays are commonly 15 to 35 feet thick, but 50- to 75-foot thicknesses are known from wells. The clays are found in river valleys as far as Bangor, 25 miles north of Searsport. According to Bastin (1908), the clays represent "old clam flats." This view is supported by Goldthwait (1949) inasmuch as the clays are found only in the lower portions of valleys and have a well defined topographic upper limit in any given area. These clays are

probably shallow water deposits similar to marsh or mudflat deposits that were laid down during the transgressive phase of the submergence.

Bloom (1959), working in southwestern Maine, applied the name Presumpscot Formation to the late glacial marine clays of southern Maine. In the southwestern part of the state, the clays are gray to blue-gray, thick to thin bedded, silty clays separated by thin laminae of silt or fine sand. True varves are not found, but rhythmic bedding is common. In some locations, boulders, apparently ice-rafted, are found imbedded in the clays. Bloom believes these clays to be "glacial rock flour." The clays are sandier than those found in the Penobscot Bay region.

IV. SURVEY OBSERVATIONS

A. Oceanographic Observations

During the survey period August to October 1959, observations of temperature, salinity, and currents were made in the bay and its approaches. The saline wedge was only weakly developed during this period, but a gradual headward movement of the saline bottom water and a net seaward flow of the fresher surface water were observed. In the southern part of the survey area, current observations showed an ebb and flood of the bottom water with the flood predominating. The maximum observed flood velocity of the bottom water was 0.7 knot off Rockland. The average was considerably less. Farther north there was a very weak flood, and in the northern extremity of the bay, bottom currents were below the threshold of the current meter.

Current observations in the upper layer of water showed a flood and an ebb at nearly all locations with the ebb predominating. The currents were weaker in the north but reached a maximum ebb of 1.0 knot off Rockland.

In other seasons of the year, during periods of greater river discharge, current speeds greater than those observed during the survey period can be expected. During periods of peak discharge for the Penobscot River, April and May, the river flow is many times greater than during August and September (U.S.G.S. Water Supply Paper, 1947).

The tidal range in the Bay is large. The mean range exceeds 9 feet in the south and 10 feet in the north.

During the survey period sea and swell conditions in the area were very moderate. During the winter months, however, sea states can become severe, especially, in the unprotected approaches to the bay. At these times, wave action probably extends to the bottom in a large portion of the approaches to the bay and in the southern portion of the bay proper.

B. Bottom Sampling

In Penobscot Bay and its approaches, 143 grab samples and 74 cores were taken. Station locations are shown in Figure 2. The grab samples were taken with an orange peel sampler. Most of the cores were obtained with a modified Kullenberg piston corer using a 12-foot core barrel. A few Phleger gravity cores were attempted where it was suspected that the sediment cover over bedrock was thin. In general, excellent undisturbed Kullenberg cores were obtained. Full penetration and a high percentage of recovery was the rule. Stratification in the cores was nearly always horizontal, and only a few instances of sucked, pulled-apart, or otherwise disturbed cores were found.

All samples were analyzed by the U. S. Naval Oceanographic Office Geological Laboratory for grain-size distribution using the standard wet-sieve and pipette methods. The cores were sub-sampled where color or grain-size changes were noted or suspected. Samples were taken above and below such changes. In homogeneous cores the sampling interval was usually about 24 inches. It should be noted that at the time the samples were analyzed the cutoff from silt to clay was at 9ϕ (0.002 mm) in accordance with engineering procedure instead of 8ϕ (0.004 mm) which is customary with geologists. The result is that many samples on the analysis sheets (see the Appendix for the analysis sheets) are classed as clayey silts rather than silty clays as they would have been if geological usage had been followed. The usage followed in the text, diagrams, and charts, makes the silt-clay separation at 8ϕ . The 8ϕ values were obtained from cumulative curves not presented in this report. Grain-size determinations were not carried beyond 9ϕ ; consequently the third quartile for very fine sediments was not reached and statistical measures could not be obtained.

C. Sonoprobe Runs

The Sonoprobe runs were made with the instrument mounted aboard the USS LITTLEHALES (AGSC-15). Runs usually were made at speeds of 3 to 5 knots and at various chart speeds. For this reason, the horizontal scale of the recordings varies from run to run. The vertical exaggeration of the records ranges from 15 to 60 times. For convenience, horizontal lines representing 500 yards have been drawn on the records reproduced in this report.

Eleven Sonoprobe runs were made in the survey area for a total of 70 miles of tracks. In addition, short runs were made at most of the coring sites. Deep penetration and excellent definition of subbottom features were achieved on most of the runs.

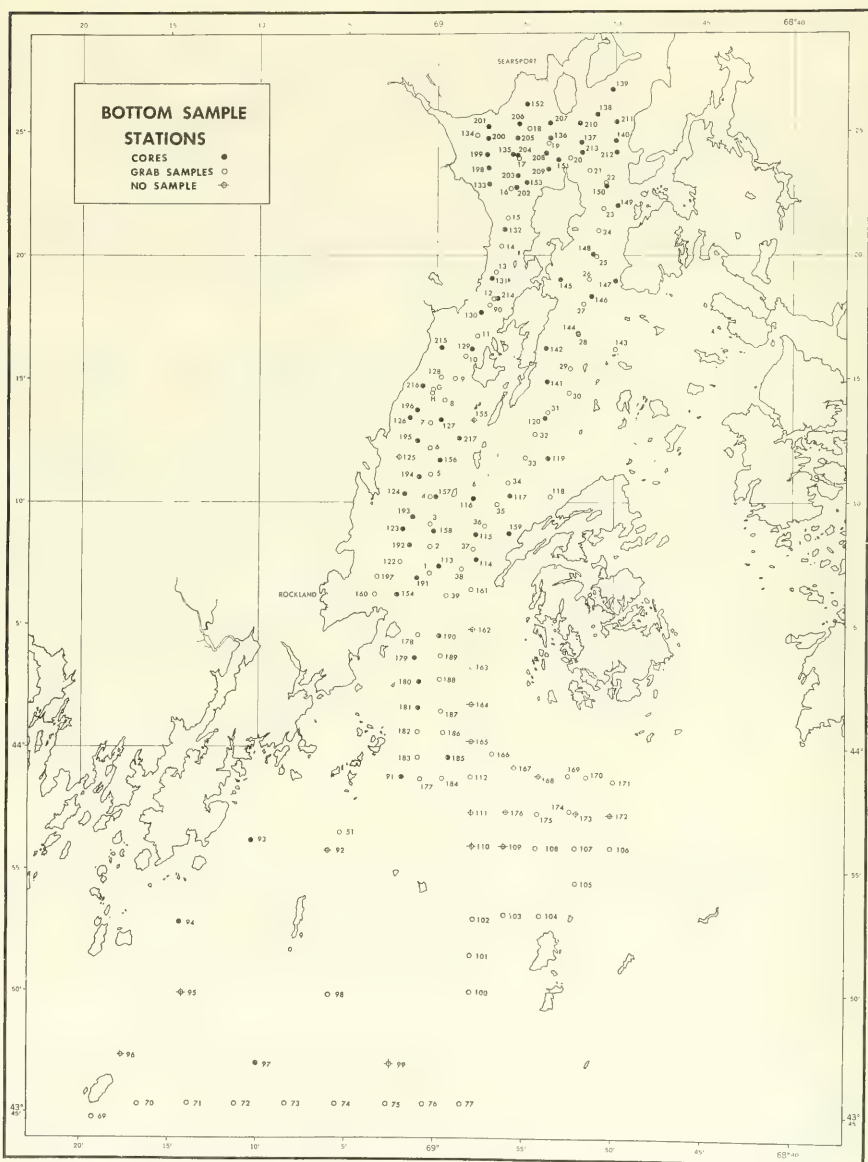


FIGURE 2. PENOBSCOT BAY BOTTOM SAMPLE STATIONS

The Sonoprobe tracks for runs I through V and VII through IX are presented in Figure 3, and the fix locations are given in Table I. In the approaches to the bay, the Sonoprobe track locations and many of the grab sample positions are classified and are not given in this report. The grab sample data from the classified area are included in the graphs and the analysis of the data, but the positions and analysis sheets are excluded from this report.

Strip charts of 10 of the Sonoprobe runs are presented in Figures 4 through 14. Sonoprobe run X parallels a portion of run XI and is therefore excluded.

The Sonoprobe runs at selected bottom sample stations are presented in Figures 15A through 15E.

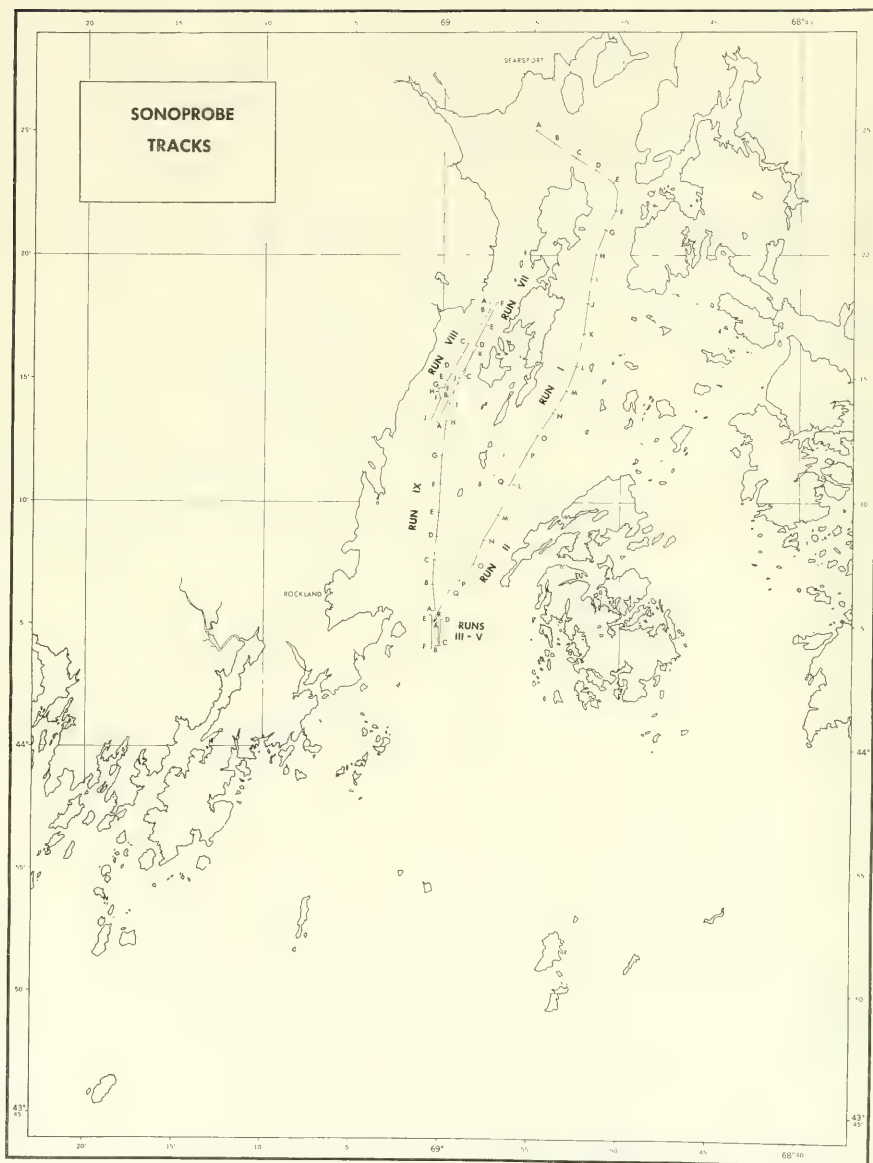


FIGURE 3. PENOBSCOT BAY SONOPROBE TRACKS

TABLE I
PENOBSCOT BAY
Sonoprobe Run Fix Locations

Run	Fix	Lat. N.	Long. W.	Run	Fix	Lat. N.	Long. W.
I	A	44°25'00"	68°54'55"	VII	C	44°15'10"	68°58'52"
	B	44 24 28	68 53 52	(cont.)	D	44 16 18	68 58 11
	C	44 23 52	68 52 38		E	44 17 10	68 57 40
	D	44 23 24	68 51 30		F	44 18 07	68 57 01
	E	44 22 54	68 50 30	VIII			
	F	44 21 48	68 50 22		A	44 18 04	68 57 22
	G	44 21 00	68 50 55		B	44 17 48	68 57 23
	H	44 20 02	68 51 27		C	44 16 22	68 58 34
	I	44 19 03	68 51 43		D	44 15 23	68 59 23
	J	44 18 03	68 51 56		E	44 14 55	68 59 46
	K	44 16 48	68 52 06		F	44 14 36	68 59 57
	L	44 15 24	68 52 30		G	44 14 35	69 00 10
	M	44 14 30	68 53 06		H	44 14 27	69 00 14
	N	44 13 36	68 53 48		I	44 14 11	69 00 05
	O	44 12 43	68 54 40		J	44 13 18	69 00 38
	P	44 11 55	68 55 15	IX			
	Q	44 10 39	68 56 13		A	44 05 35	69 00 18
II					B	44 06 38	69 00 25
	L	44 10 43	68 56 02		C	44 07 38	69 00 22
	M	44 09 30	68 56 52		D	44 08 38	69 00 14
	N	44 08 30	68 57 40		E	44 09 37	69 00 10
	O	44 07 25	68 58 12		F	44 10 43	69 00 04
	P	44 06 48	68 59 00		G	44 11 52	69 00 00
	Q	44 06 23	68 59 33		H	44 13 18	68 59 50
III	R	44 05 08	69 00 24		I	44 14 00	68 59 40
					J	44 15 00	68 59 05
IV	A	44 05 05	69 00 07		K	44 16 11	68 58 11
	B	44 04 07	69 00 09				
V	C	44 04 07	69 00 05				
	D	44 05 13	69 00 04				
VII	E	44 05 25	69 00 30				
	F	44 04 05	69 00 31				
VII	A	44 13 13	69 00 17				
	B	44 14 13	68 59 35				

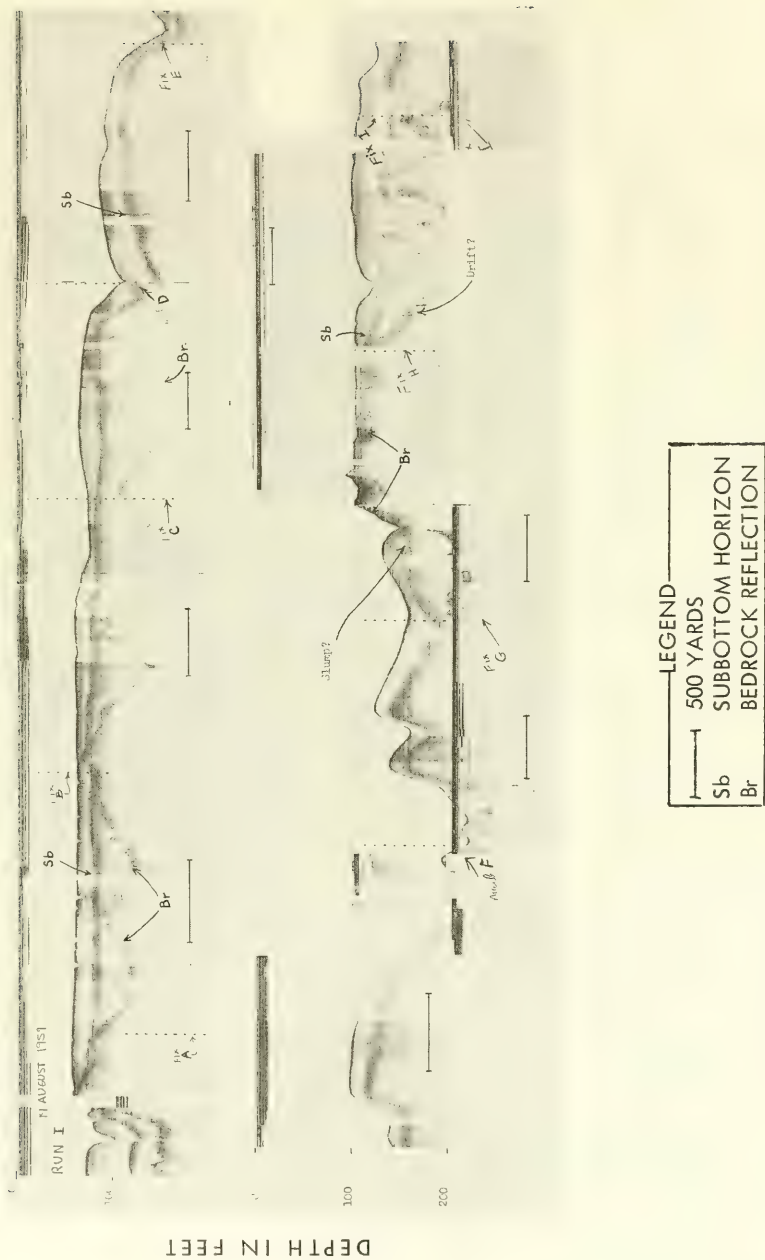
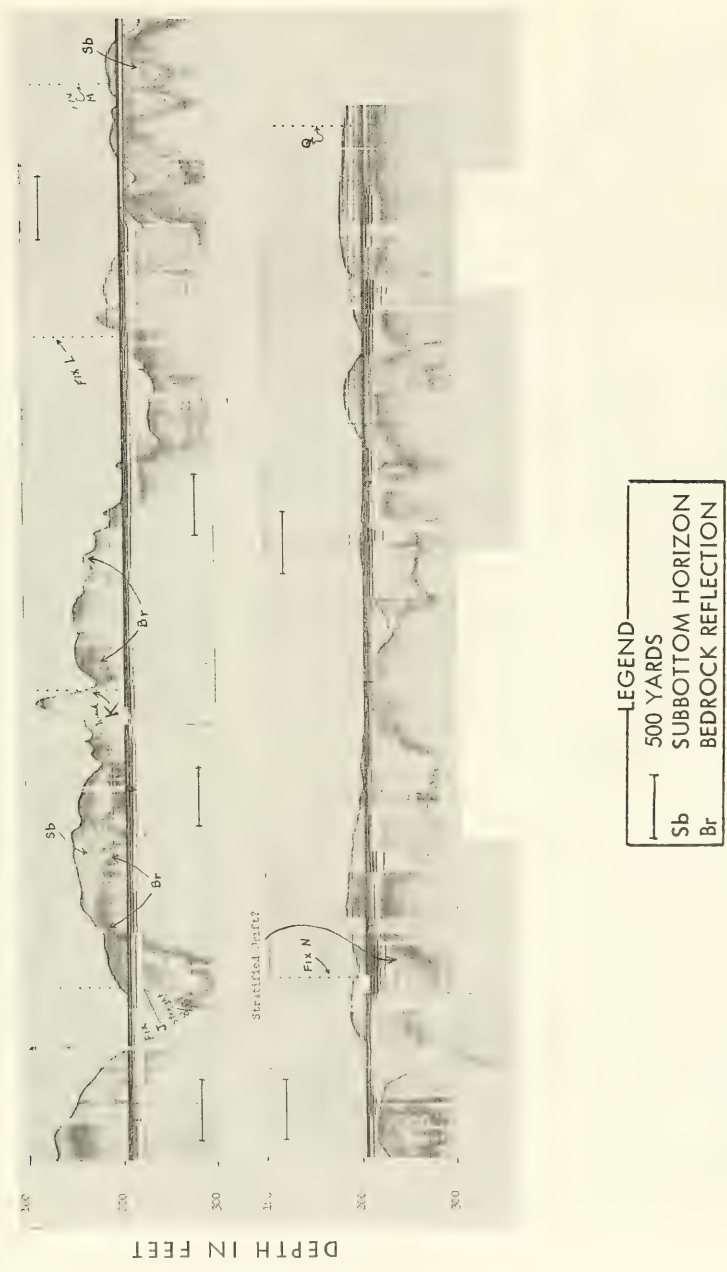


FIGURE 4. STRIP CHARTS OF SONOPROBE RUN I



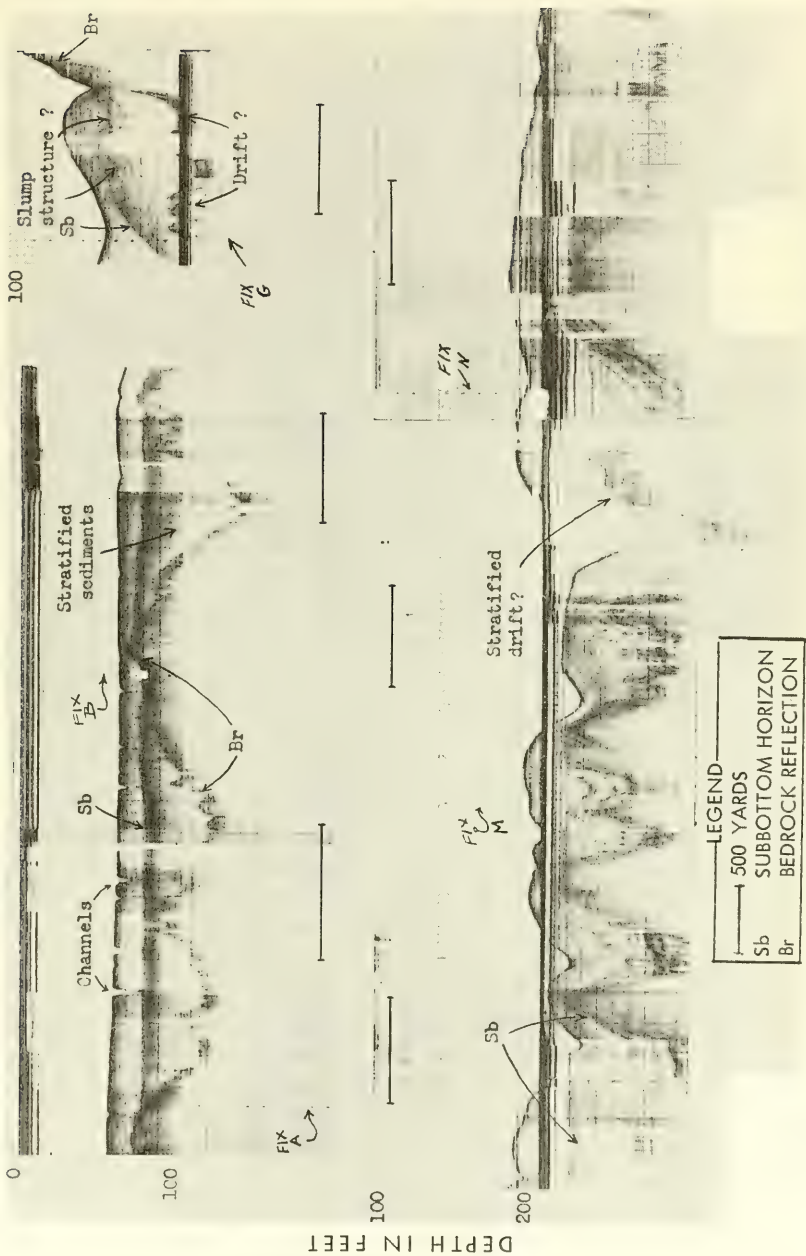


FIGURE 6. STRIP CHARTS OF PORTIONS OF SONOPROBE RUN I

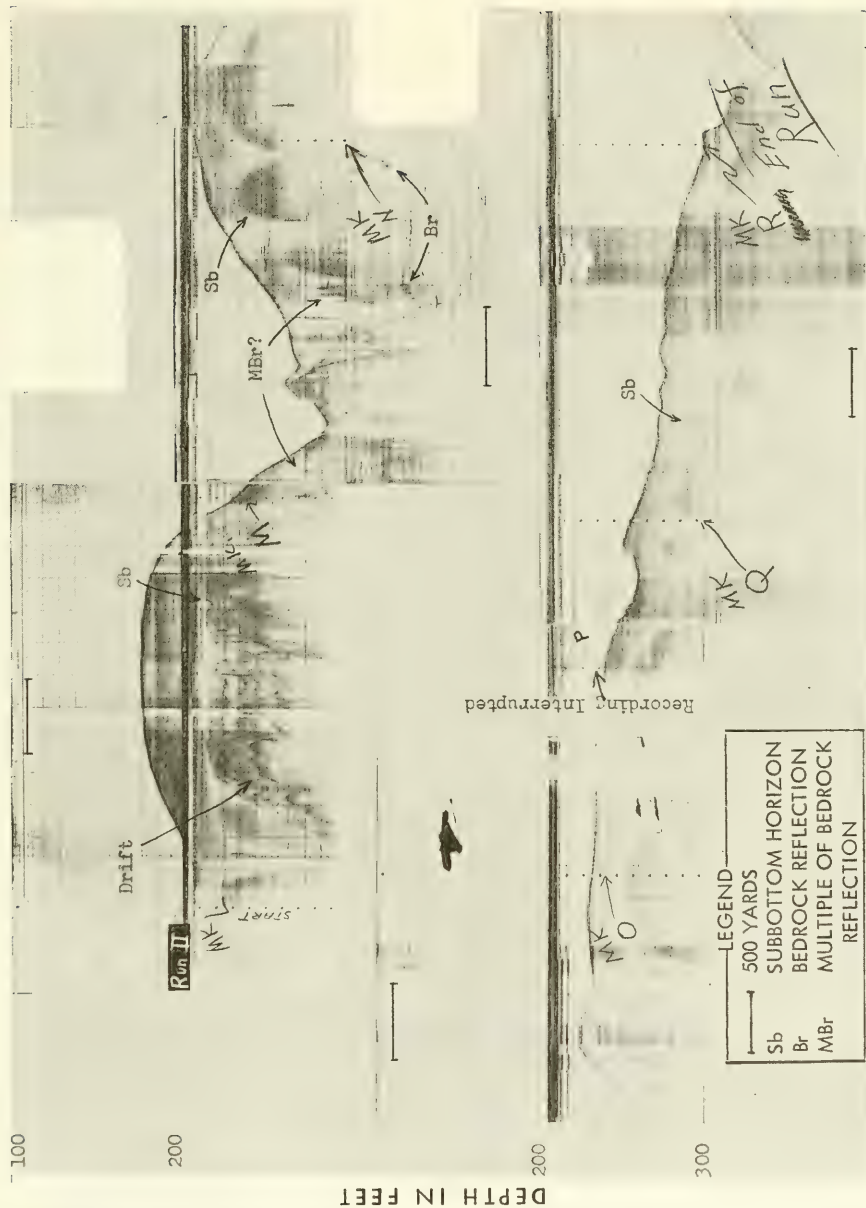


FIGURE 7. STRIP CHARTS OF SONOPROBE RUN II

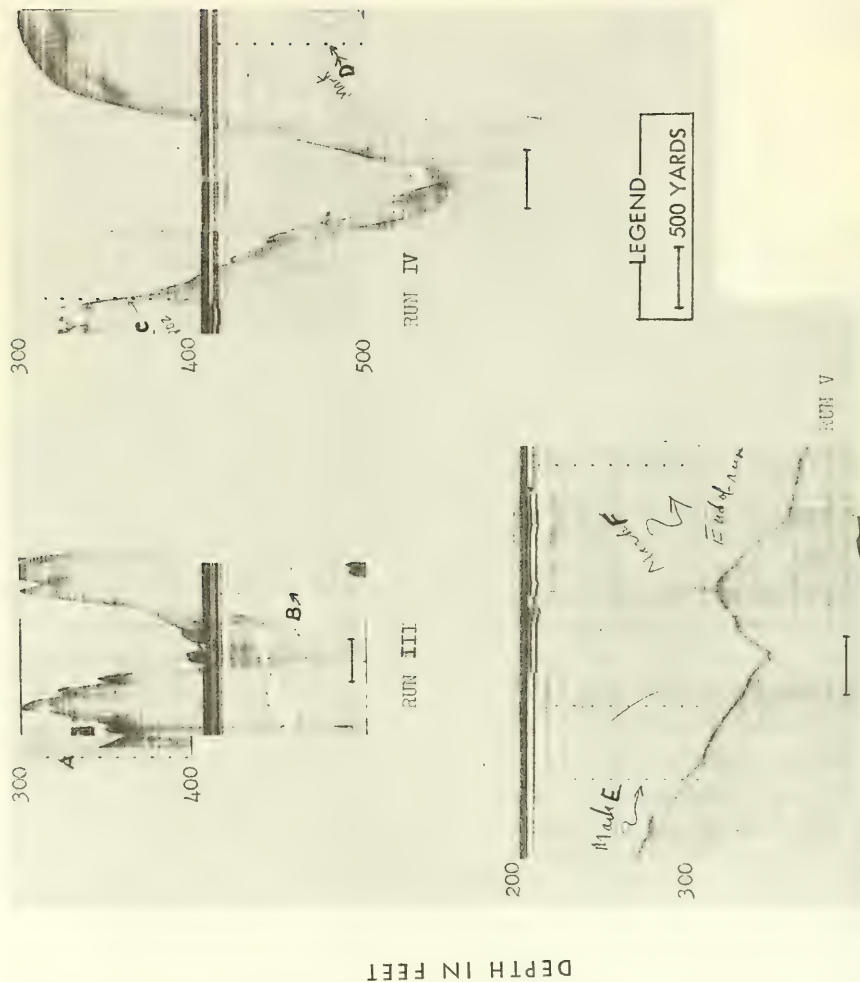


FIGURE 8. STRIP CHARTS OF SONOPROBE RUNS III, IV, AND V

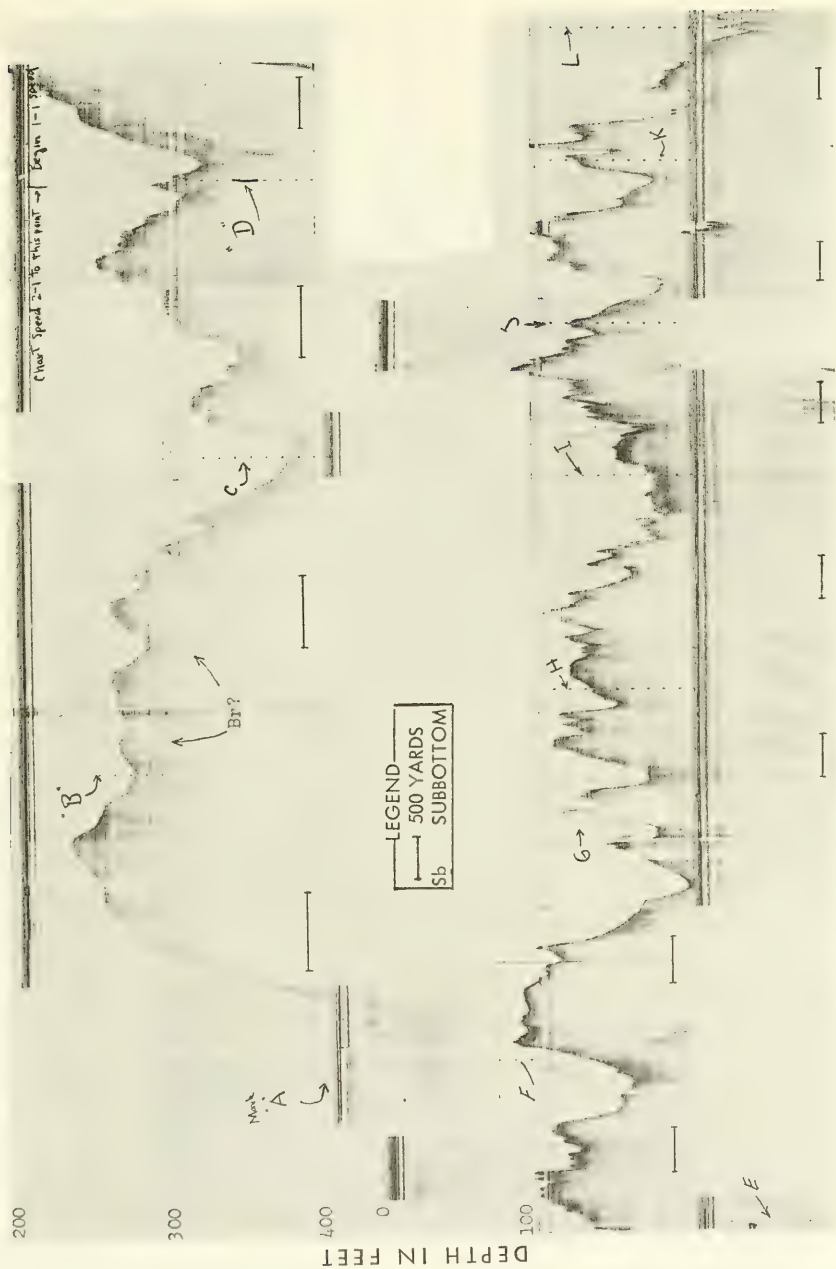


FIGURE 9. STRIP CHARTS OF SONOPROBE RUN VI

DEPTH IN FEET

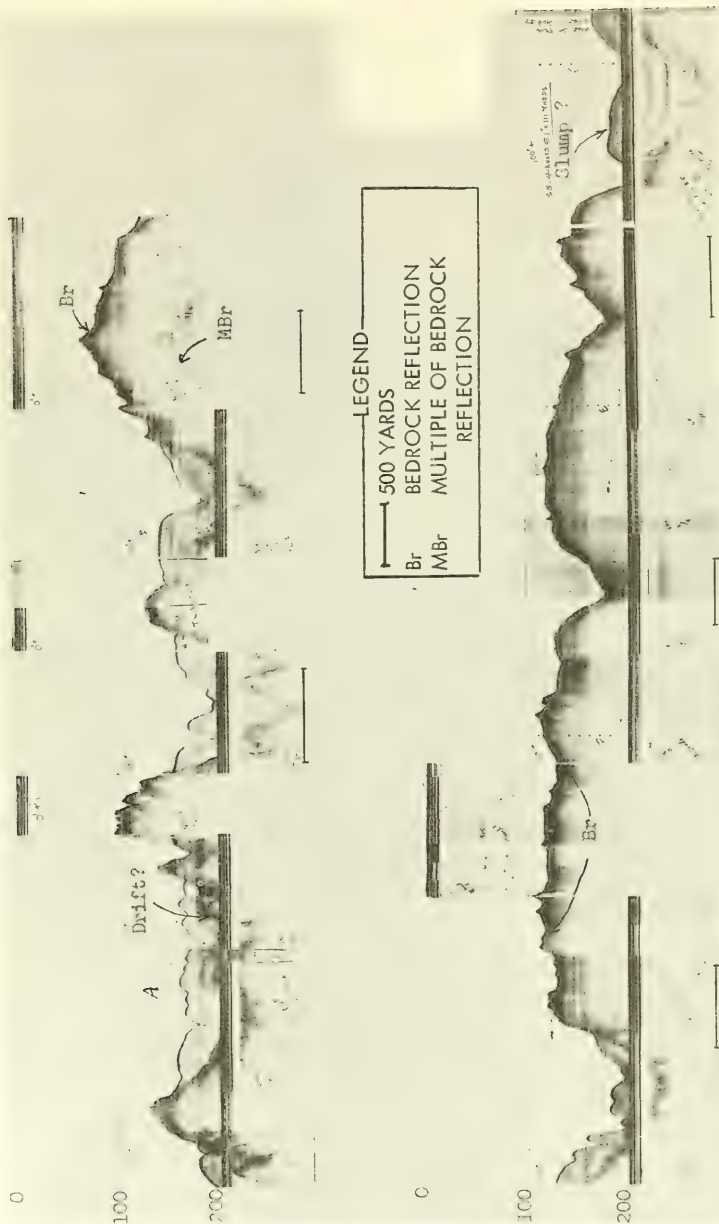


FIGURE 10. STRIP CHARTS OF SONOPROBE RUN VII

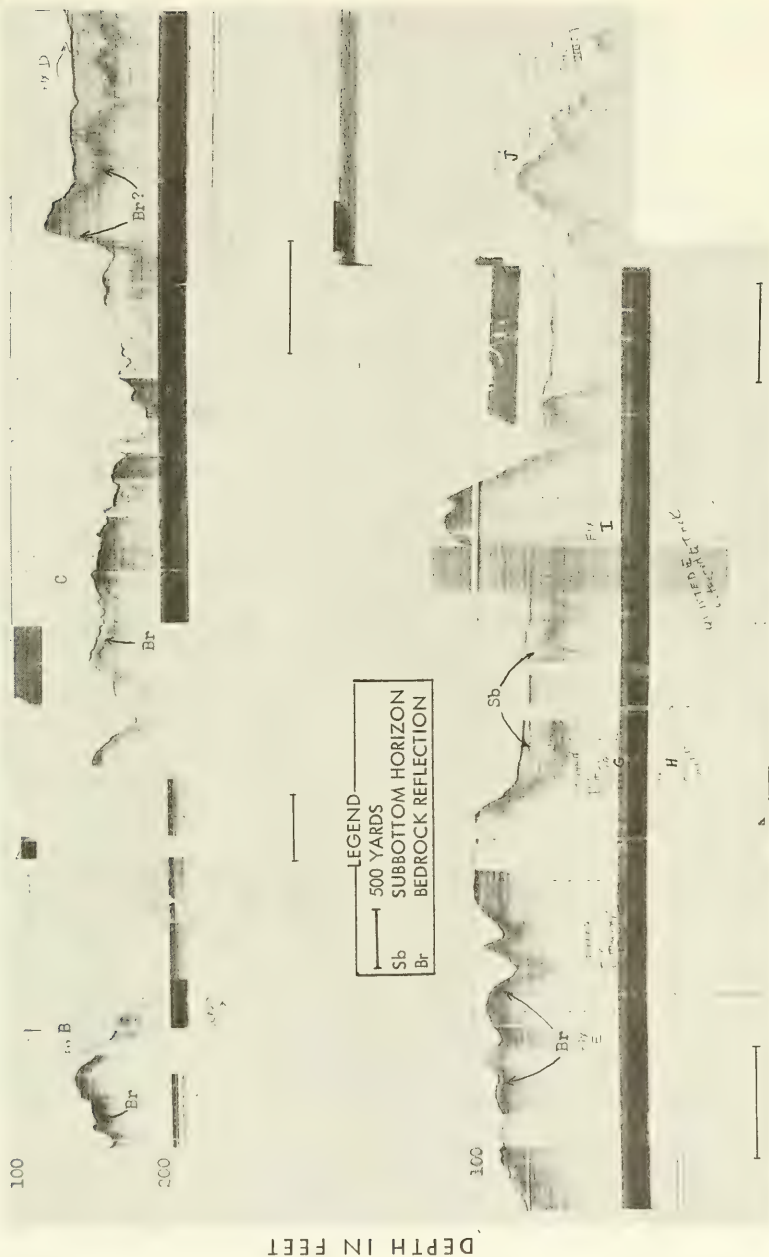
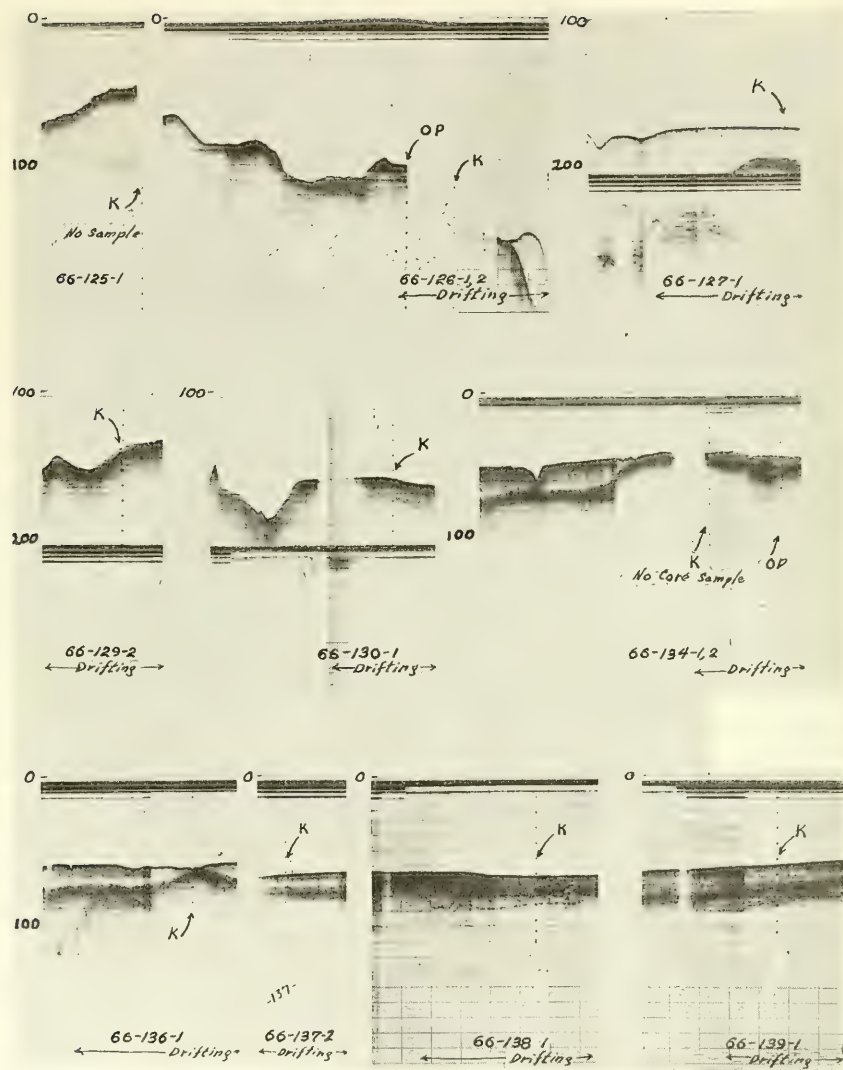


FIGURE 11. STRIP CHARTS OF SONOPROBE RUN VIII

DEPTH IN FEET



LEGEND			
66-94-1	AREA-STATION-SAMPLE	K	KULLENBERG CORE
OP	ORANGE PEEL SAMPLE	P	PHLEGER CORE
Br	BEDROCK REFLECTION		

FIGURE 15B. SONOPROBE RUNS OVER BOTTOM SAMPLE LOCATIONS IN PENOBSCOT BAY

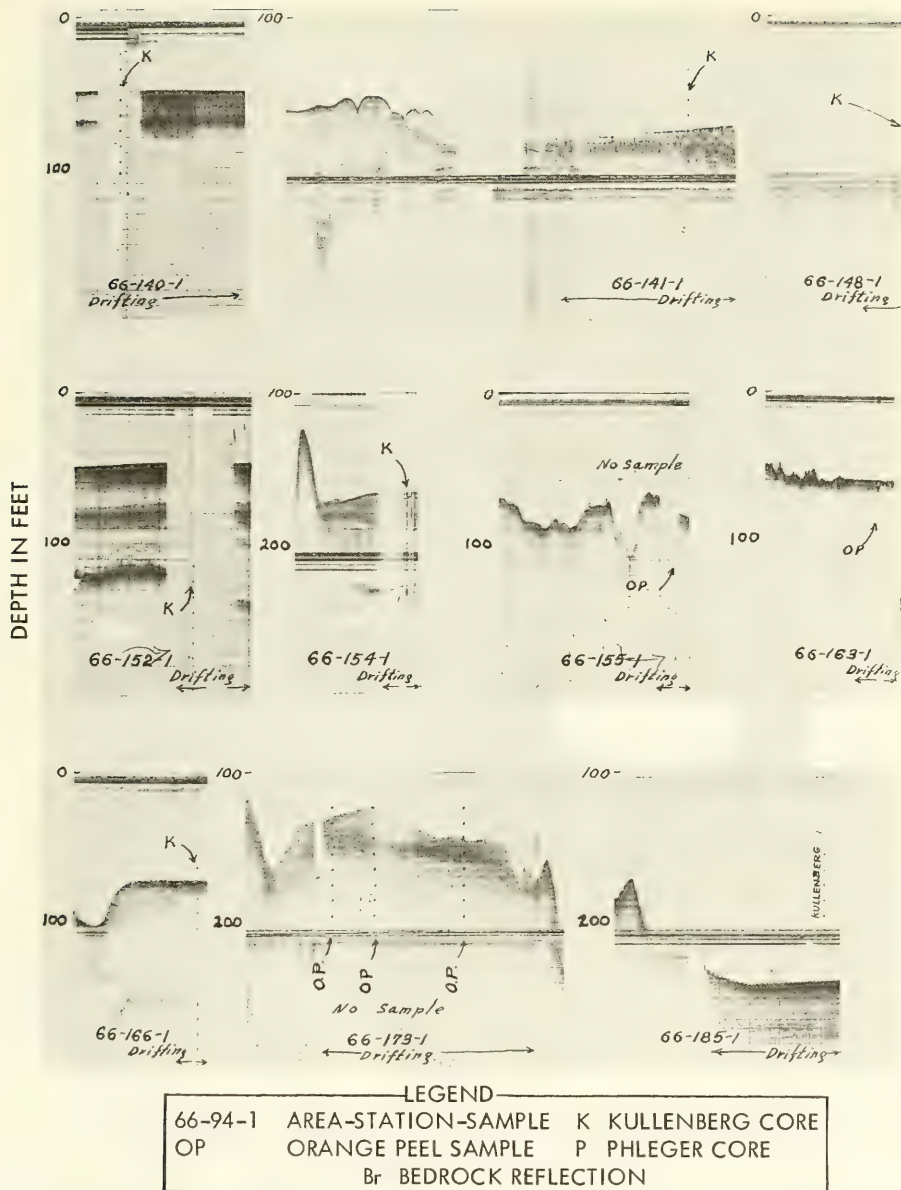


FIGURE 15C. SONOPROBE RUNS OVER BOTTOM SAMPLE LOCATIONS IN PENOBSCOT BAY

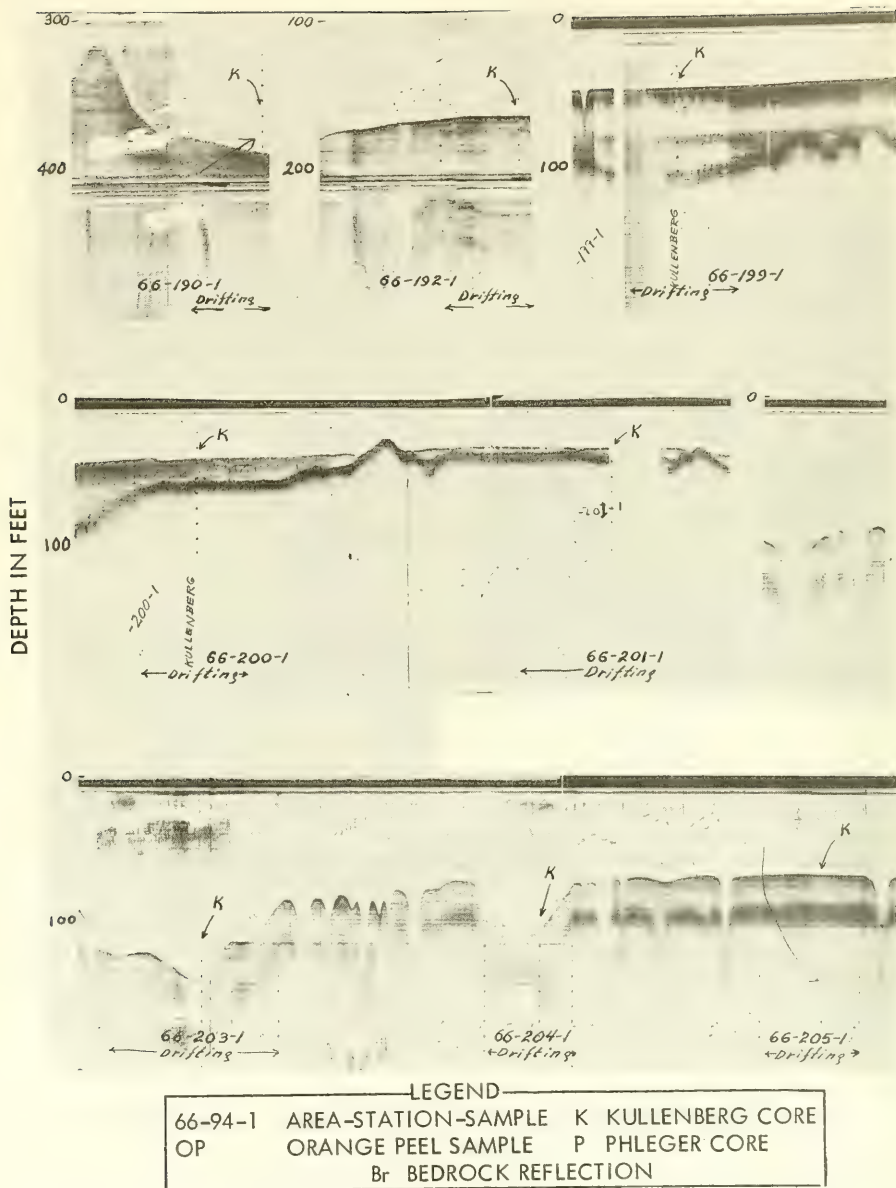
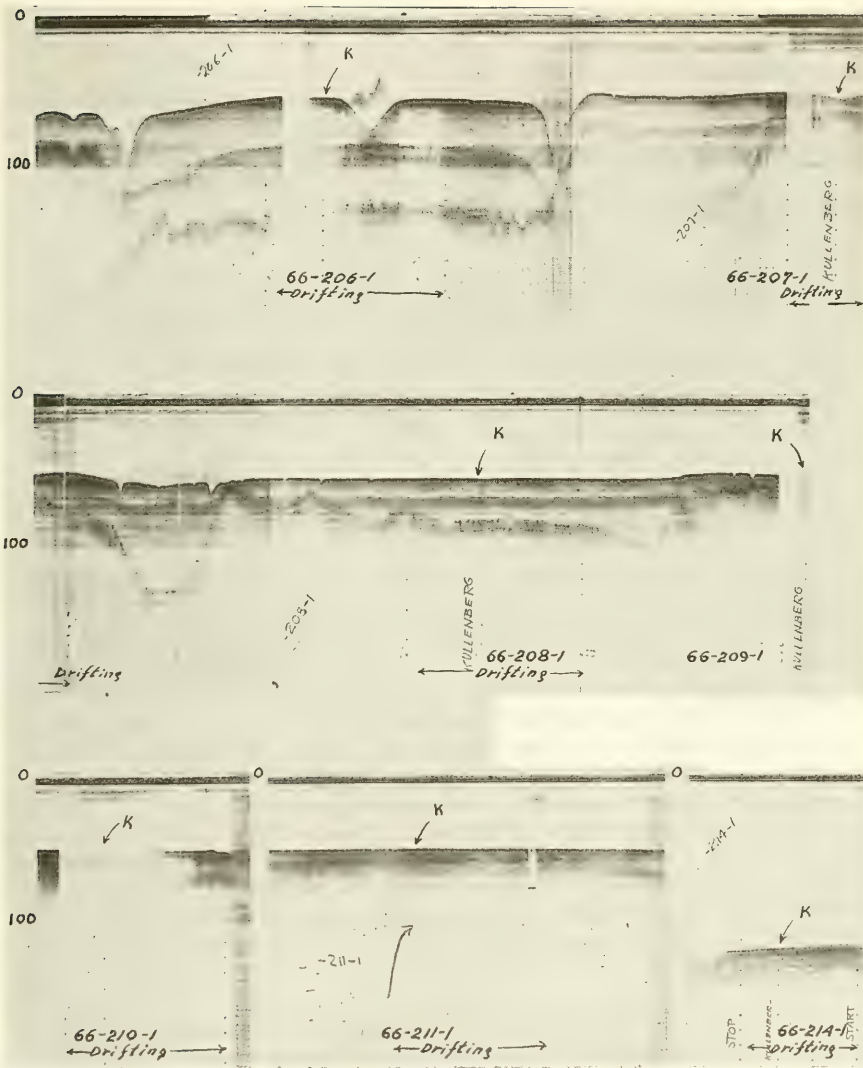


FIGURE 15D. SONOPROBE RUNS OVER BOTTOM SAMPLE LOCATIONS IN PENOBSCOT BAY

DEPTH IN FEET



LEGEND

66-94-1	AREA-STATION-SAMPLE	K	KULLENBERG CORE
OP	ORANGE PEEL SAMPLE	P	PHLEGER CORE
Br	BEDROCK REFLECTION		

FIGURE 15E. SONOPROBE RUNS OVER BOTTOM SAMPLE LOCATIONS IN PENOBSCOT BAY

V. ANALYSIS OF SURVEY DATA

A. Sediments of Penobscot Bay

For convenience in discussing the bottom sediments, the survey area was arbitrarily divided into five parts as follows:

1. Northern part of the bay.
North of $44^{\circ}20'N$.
2. Central part of the bay, including West Penobscot Bay and the northern part of East Penobscot Bay.
 $44^{\circ}20'$ to $44^{\circ}10'N$.
3. Southern part of the bay, excluding East Penobscot Bay.
 $44^{\circ}10'$ to $44^{\circ}05'N$.
4. The entrance to the bay.
 $44^{\circ}05'$ to $44^{\circ}00'N$.
5. The approaches to the bay.
South of $44^{\circ}00'N$.

In general, from Searsport to south of Rockland the sediment cores were silty clays. South of $44^{\circ}05'N$., in the entrance and approaches to the bay, the fine-grained sediments were confined to depressions between bedrock or bedrock thinly covered with sand or gravel.

The fine-grained sediments are olive-gray, silty clays with very small amounts of fine sand and occasional pebbles. The cores, most of which were over 10 feet long, were usually uniform in color and grain size. Over two-thirds of the cores, however, contained thin beds and laminae of dark gray to black material. They usually occurred in the top foot, the top and bottom, and also throughout the length of several of the cores. Samples of the dark layers showed little textural difference with surrounding sediments. It is suspected that the dark color is due to small amounts of organic material. Analyses, however, were not made to determine the organic content of the samples. After drying, the dark layers could not be detected in the core.

Small percentages of shell, usually as broken fragments scattered throughout the core rather than confined to particular layers or zones, were found in many of the cores. Open worm burrows were found in several cores. The worm burrows crossed color and textural changes without destroying the stratification of the sediments. Small amounts of woody material also were found in a few cores.

Textural changes, in the fine-grained cores, consisted of thin laminae and lenses of silty and sandy material, soft liquid zones, and thin layers of hard bluish-gray clay. Some cores contained layers, blebs, or balls, composed of hard, seemingly dry, yellowish to brownish clayey silt and silty clay, in many cases banded and/or stained with limonitic material.

Cores containing coarser grained material and more pronounced textural changes than those mentioned above came from the northern part of the bay between Long Island and Searsport and the entrance to the bay.

Between Searsport and Long Island several of the cores contained relatively thick layers of sand and silty sand with scattered pebbles and pebbly zones. The sediments tended to increase in coarseness toward the bottom of the cores. Shallow penetration of the corer and the loss of the lower portion of some of the cores also were indicative of coarser sediments with depth below the bottom in this area.

In the entrance to the bay, the cores generally showed more variability than in the northern part of the bay; however, the changes were not as marked, and the cores were finer grained on the whole. Core 190, taken on the eastern slope of the topographic depression in the entrance to the bay, contained many slightly sandy, silty-clay layers which had a sharp lower contact and graded upward into silty clay or finer texture. Core 126 from West Penobscot Bay also displayed this type of bedding. The cores showing this weakly graded bedding may owe this condition to the settling of a slurry of sediments which were thrown into suspension by slumping of earlier deposits.

The coarse-grained sediment cores sampled in the north-central part of the bay reflect the nearness to the source of sediment, the Penobscot River. The cores are finer grained at the top indicating a decrease in energy conditions with time at the site of deposition. The finer grained cores with less significant changes in lithology are found in the remainder of this northern sector of the bay. Many of these cores contained open worm burrows and fragments of wood, as well as thin beds of coarser material. These features suggest shallow estuarine or tidal flat environments with rapid deposition taking place periodically (Hantzschel, 1939).

In the central and southern parts of the bay, the sediments are generally fine grained and uniform with depth below the water bottom. These sediments represent deposition under relatively uniform environmental conditions upon which were superimposed small scale and short lived variations. These fluctuations in the environment account for the silty and sandy laminae found in many of the cores. The black laminae found in nearly all of the cores from this portion of the bay may be due to increased rates of deposition. The uppermost layers of estuarine sediments

commonly develop a vertical profile related to chemical and biological activity (Nelson, 1962). The result is a thin layer of oxidized, semi-fluid sediment lying over a thin layer of darker sediments where microbiological activity is at a peak. Rapid burial of this profile could lead to its preservation and may be represented in the cores from Penobscot Bay by the black layers and laminae.

In the entrance to the bay, little marine sedimentation has taken place relative to the northern areas. Most of the fines, which may have been present originally, have been removed from the shallower areas by wave action and currents and deposited in the deep basins and depressions or carried away from the area. The many vertical changes in the cores reflect frequent short period changes in energy conditions over the past.

To aid in the interpretation of the present sedimentary regime of the surveyed area, the percentages of sand (including pebbles), silt, and clay found in the top 2 inches of the cores and in the grab samples were plotted to show the relationship of sediment type with distance from the northern part of the bay (Fig. 16) and to show any dependence of the median diameters of the sediments upon depth of water (Fig. 17). The surface sediment graphs show an increase in the percentage of sand to the south, but they show little relationship between grain size and water depth except for a slight trend toward finer sediments with depth in the approaches to the bay. Apparently toward the south, the increasing energy conditions, wave agitation and currents, are more important in the most recent bay sedimentation than proximity to the Penobscot River. The sedimentary data seem to indicate that the major geologic process in Penobscot Bay is the reworking of previously deposited sediments. This is characteristic of many estuaries. The amount of sediment in suspension in bay waters often exceeds that in the river or in the open sea adjacent to the bay.

At many of the grab sample stations, the surface sediments consisted of two layers: a thin upper layer of olive-gray sediments over olive-black sediments. The upper layer was liquid and seemed to contain more silt and fine sand than the sediments below. (These features were observed in the field and are not shown in the laboratory analysis.) There are two areas where the surface sediments consisted of two layers. One extends roughly from the middle of the central segment of the bay to the entrance off Rockland, and the other consists of a few locations in the approaches to the bay. To the north of the major area of two sediments, the surface sediments are olive black, but in the approaches to the bay where the two layers were not found, the sediment color was olive gray. This distribution did not show any obvious dependence on depth — only distance from the bay head was significant.

A possible explanation for these features of the surface and near surface sediments is that the finer fraction is being winnowed from previously deposited sediments in a zone extending from the central sector of the bay through the approaches. The

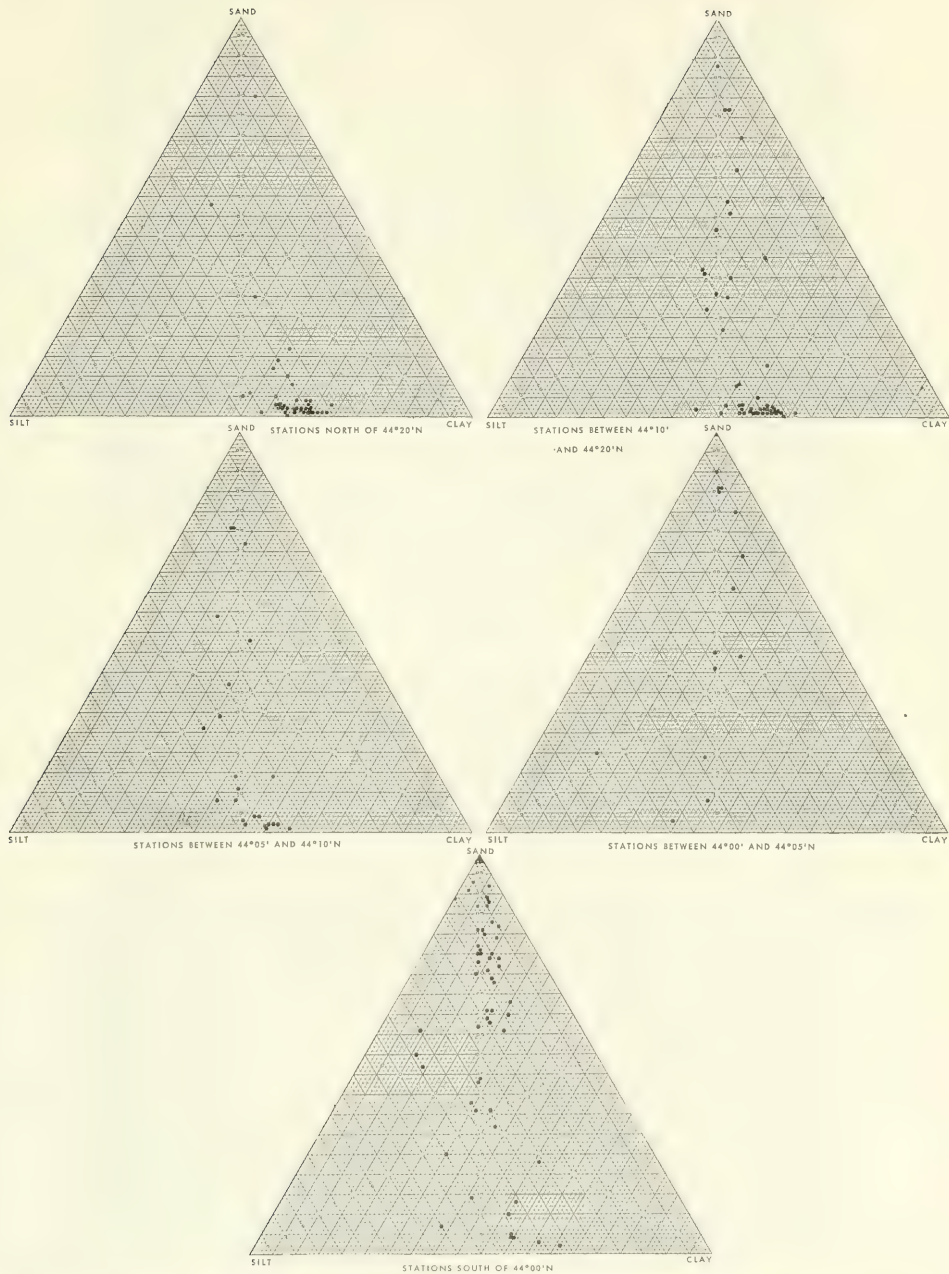


FIGURE 16 . SAND-SILT-CLAY DIAGRAMS FOR GRAB SAMPLES AND TOPS OF CORES

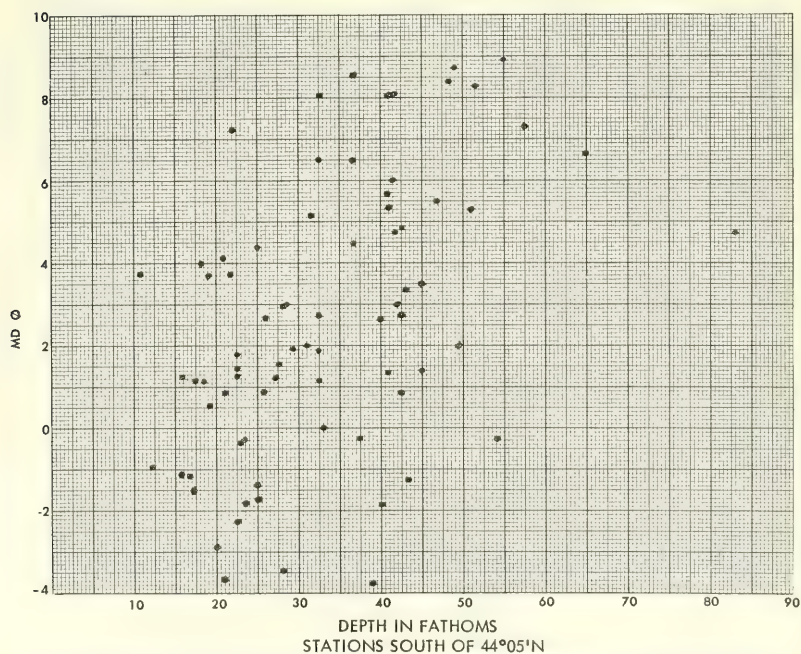
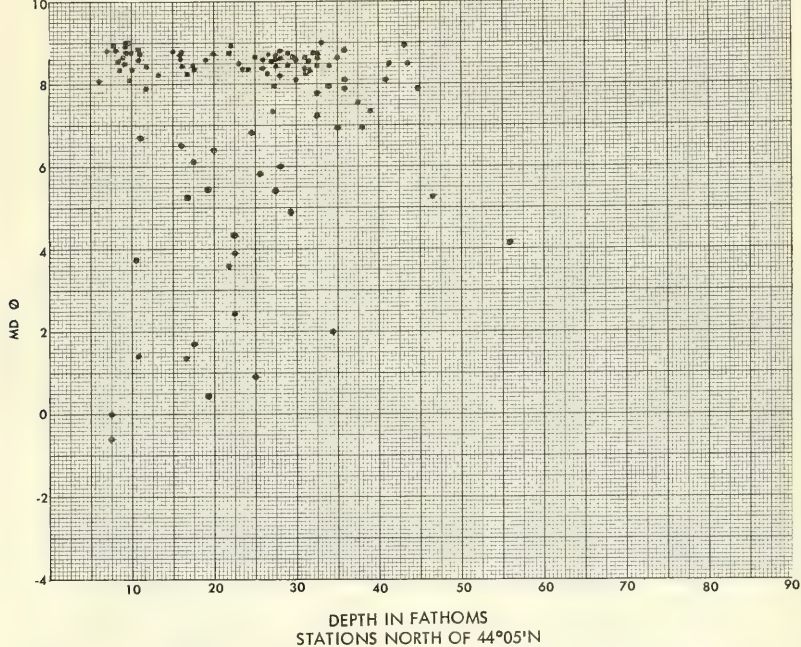


FIGURE 17. MEDIAN DIAMETER (MDØ) OF THE GRAB SAMPLES AND THE TOPS OF CORES
VERSUS DEPTH OF WATER

fine fraction may be partly carried out to sea and partly transported toward the head of the bay by the bottom water to be deposited in the northern part of the bay and on mud flats (Guilicher, 1958, p.101; Johnson, 1925, p.572).

Oxidation of the agitated surface sediments may yield a lighter colored sediment, and the extraction of the fines leaves one that is coarser than the original. The dark sediments in the northern sector probably indicate fine-grained sedimentation at present. Other explanations of the present sedimentary regime may be possible however.

At stations 29, 90, 128, 174, 178, and 189, masses and broken fragments of hard silty clay were found lying upon or partially mixed with the surface sediments. (These fragments were removed from the samples in the field.) The hard clay occurred in curled and contorted plates, irregularly shaped masses, and angular broken fragments. Some of the unfragmented samples are shown in Plate II. The outer surfaces varied from hard, dark reddish-brown, to a soft, gray, sticky-clay surface coating. The internal structure varied from banding parallel to the outer surface, to massive and relatively structureless for the less hardened globs. The samples were generally riddled with holes, some apparently the result of solution or erosion; however, most of the holes were formed prior to hardening and were caused by burrowing organisms and by roots growing in the soft mud. Many of the holes were encircled by bands of altered clay.

The material was formed subaerially, probably on mud flats which supported burrowing organisms and vegetation. The conditions leading to the development of this material probably involved drying to form mud cracks and decaying of the vegetation originally growing in the mud. The decay of the plant roots caused oxidation of the surrounding mud. The oxidation of the iron in the mud will account for the color, banding, and hardness of the material (Rousseau, 1934).

These deposits of hard clay may have arrived at their present position by flotation on vegetation, ice-rafting, or rolling under certain conditions. Subsequent deposition under water would result in fragmentation of most of the hardened masses due to differential expansion as the center of the mass became wet (Twenhofel, 1950, p.593).

In their present locations the hard-clay masses were found with crusts of bryozoans and some attached brachiopods. Little, if any, sedimentation is presently taking place at these locations. Zones and isolated occurrences of similar hard clay were found in many of the cores.

B. Sediment-Sonoprobe Correlation

Direct correlation of vertical changes in sediment type and Sonoprobe sub-bottom reflections was difficult in this area in spite of the numerous cores and grab samples obtained. Facies changes, however, could be determined fairly accurately, and a determination of general sediment type, or lack of sediment, at a sampling

PLATE II. HARD CLAY SAMPLES



location was usually made before attempting to sample. In areas where the surface sediments were coarse grained, the deposits were found lying on bedrock. The high reflectivity of the coarse sediments and of the bedrock generally obscured the Sonoprobe record, and the resolution was poor, and thicknesses could not be determined accurately. Where the sediments were thick penetration was good, but in these locations, the sediments were usually fine grained. A prominent subbottom reflection was found on most of the runs, but it was largely unverified by sampling because of the short length of the corer and the excessive depth to the layer. Where the subbottom sedimentary layer was sampled, the sample contained coarse material, but the exact position of the reflecting horizon relative to the coarse material could not always be determined. Only cores 136, 137, 201, and 211 penetrated the subbottom layer as recorded on the Sonoprobe.

Core 136 apparently consisted almost entirely of sediments from below the subbottom horizon. (See Figure 15 for the Sonoprobe runs over the coring sites and the Appendix for the analysis sheets.) The core was poorly sorted, muddy sand with the percentage of sand increasing toward the bottom. The core was pebbly at the top and at the bottom.

The bottom of core 137 probably represents the top of the subbottom layer in this area. The core was silty and sandy to about 25 inches. Below this depth the core became moderately well sorted sands which increased in coarseness to the bottom at 108 inches.

At location 201 the sediments were sandy muds and muddy sands becoming sandier toward the bottom. The material was all poorly sorted. The subbottom reflection at 4 to 5 feet below the bottom was reflected in the core by an increase in the median diameter of the sediments. Below this depth the sediments became muddy sands again.

Core 211 probably just penetrated the subbottom layer. The core increased in coarseness from top to bottom. The top was silty clay, gradually becoming pebbly and sandy at the bottom. The lowest portion of the core was slightly disturbed owing to the sucking action of the piston when a piece of wood became firmly wedged into the core retainer preventing further entry of sediment into the core barrel.

Sandy cores showing fairly close correlation with the Sonoprobe reflections are 130, 148, and 207. Table 2 presents a description of the core data and the corresponding Sonoprobe record for comparison. Generally the comparison is good for uniform cores and in areas where there were coarse sediments or bedrock at the water bottom. The sandy laminae and layers in cores consisting mostly of finer material did not show up on the records. These beds were usually too thin to be detected, and they contained high percentages of finer material which reduced the acoustic contrast between the sandy layers and the silty clays above and below. One reason

TABLE 2

Description of Bottom Samples and Corresponding Sonoprobe Record

Sta. No.	Type Sampler ¹	Penetration (ft.)	Length of Core (in.)	Description of Bottom Samples and Remarks	Description of Corresponding Sonoprobe Record
*91-1	K	3.5	27	Mud becoming sand toward bottom. Some pebbles, shell, and woody material at bottom. (Sample disturbed. Core catcher dented.)	Bedrock overlain by thin layer of sediments.
92-1	K	0	0	Pebbles in core catcher. (Cutter and core catcher smashed.)	Much like location 91.
*93-1	P	4	12	Clayey silt.	Coarse sediments.
*93-2	K	6	50	Clayey silt.	
*94-1	K	10	114	Fairly uniform core of silty clay.	Sediments. Layer 12' below bottom and bedrock 58 feet below bottom.
*95-1	P	0	0	No sample. (Dented cutter.)	Bedrock bottom.
96-1	P	0	0	No sample. (Lost core cutter.)	Bedrock bottom.
*97-1	P	5	15	3" sandy mud over clayey silt.	15 feet sediments over bedrock. Sb at 12 feet below bottom.
*98-1	P	0	0	No core, pebbles and sand in core catcher. (Cutter dented.)	Bedrock bottom.
*99-1	P	0	0	No sample.	Bedrock bottom.
100-1	OP			Pebbles and sand.	Layer of sediments over bedrock.
101-1	OP			Pebby sand.	3 foot layer of sediments over bedrock.
102-1	OP			Sand with some pebbles.	Bedrock with a thin layer of sediments.
103-1	OP			Pebbles and sand with some shell. (Required three lowerings of sampler.)	Bedrock bottom.
104-1	OP			Silty sand and broken shell.	Bedrock bottom.
105-1	OP			Pebby sand.	Coarse sediments over bedrock.
106-1	OP			Pebby sand with some silt and shell.	Coarse sediments over bedrock. To 20 feet penetration.
107-1	OP			Sandy mud and some shell.	Sediments over bedrock, over 20 feet penetration. Sediments probably thin.
108-1	OP			Clayey sand.	Thin layer of sediments over bedrock.
109-1	OP			No sample. (Lowered sampler twice.)	Bedrock.
110-1	OP			No sample. (Lowered sampler twice.)	Seems to be thin layer of sediments over bedrock.
111-1	OP			No sample.	Bedrock with a thin layer of sediments.
112-1	OP			Large pebbles with some mud.	Thin layer of sediments over bedrock.
113-1	OP			Clayey silt.	Scattered reflections to Sb layer 22 feet below bottom. Bedrock return discontinuous.
*113-2	K	11	96?	Clayey silt with shell scattered throughout. Slight increase in sand from 22-27". Soft areas 58-59" and 72-73".	
114-1	K	11	121	Uniform core of silty clay. Shell scattered throughout.	Sediments.
118-1	OP			Pebby sand.	
118-2	K	2	1.5?	No sample retained. (Core greatly disturbed.)	1-2 feet of sediments over coarse material or bedrock.
122-1	OP			Silty and pebbly sand.	Coarse sediments. Up to 12 feet penetration.
*123-1	K	13	126	Uniform core of silty clay.	Fine grained uniform sediments. Penetration to Sb at 48 feet.
124-1	OP			Silty clay.	Uniform sediments. Penetration to over 50 feet, Sb at 28 feet.
124-2	K	12	126	Uniform core of silty clay except 78-108" where the core is less consolidated.	
*125-1	K	?	0	No sample. (Core greatly disturbed.)	Bedrock.
*126-1	OP			Silty mud.	Thin layer of sediments over bedrock.
126-2	K	?	119	Silty clay with thin lenses of sand. Last 22" distorted and probably disturbed. From 90 inches sand content increases.	
*127-1	K	13	126	Silty clay, last 15 inches unconsolidated.	Uniform sediments. Penetration to about 90 feet. Seems to be coarse till or bedrock. Sb at 20 feet.
128-1	OP			Silty mud.	Bedrock with several feet of sediments above.
129-1	OP			Clayey mud.	Layer of coarse sediments over bedrock. Layer at 4 feet below bottom.
*129-2	K	?	82	Sandy and pebbly mud to about 24 inches, where the amount of sand and pebbles decreases, to become pebbly again in the last 4 inches.	
*130-1	K	11	91?	Silty clay with zones of soft material and hard clay. Becomes sandy below 60 inches.	Faint layers at 5 feet and 12 feet. Penetration about 20 feet.
131-1	K	11	124	Fairly uniform silty clay becoming softer toward the bottom and soft zones throughout.	Maximum penetration about 80 feet. Sb layer at 34 feet.
132-1	K	11	122	Fairly uniform core of silty clay.	Uniform sediments.
133-1	K	11	127	Uniform core of silty clay with scattered shell.	Uniform sediments. Penetration to over 80 feet. Sb at 20 to 50 feet.
*134-2	OP			Muddy sand and pebbles. (Kullenberg core penetrated 2-3 feet.)	Thin layer of sediments over bedrock. Reflector at 3 feet.
135-1	OP			Silty clay.	Fairly uniform sediments. Penetration to about 60'.
135-2	K	12	92	Uniform silty clay.	
*136-1	K	?	118	Silty sand on top becoming increasingly sandy below 6 inches. Pebbles throughout.	Sb layer over bedrock. Bedrock possibly 10 feet below bottom.

TABLE 2 (Continued)
Description of Bottom Samples and Corresponding Sonoprobe Record

Sta. No.	Type Sampler	Penetration (ft.)	Length of Core (in.)	Description of Bottom Samples and Remarks	Description of Corresponding Sonoprobe Record
137-1	OP			Clayey silt	
*137-2	K	11	108	Silty clay to 8", clayey mud with pebbles to 12", silty clay to 16", sandy mud with pebbles to 25", silty sand to bottom of core.	Sediments over Sb layer at 8 feet. Faint layers at 1, 3, 4, and 6 feet.
*138-1	K	12	99	Clayey mud to 39", silty sand to 54", sandy mud to 71", and silty sand to 99".	Scattered reflectors from 5.5 to 12 feet below bottom. Reflecting horizons from 18 to 45 feet. Bedrock not penetrated at core site, but probably 60 to 80 feet below bottom.
*139-1	K	12	123	Clay silt with sandy layers at 86 to 100 inches.	Non-uniform sediments over Sb layers at 13 and 21'
*140-1	K	?	126	Uniform silty clay.	Non-uniform sediments over Sb layer at 18' below bottom. Maximum penetration to 30 feet. Bedrock not shown.
*141-1	K	12	118	Silty clay with numerous hard clay balls, hard clay layers, sand zones and pebbles.	Non-uniform sediments, many scattered reflectors to 22 feet below bottom.
142-1	K	10	92	Silty clay with sandy zones at 0-4 and 18-20 inches. Hard clay layers below 74 inches.	Layer at about 2 to 3 feet.
143-1	OP			Pebbly sand. (Not Lab. analyzed.)	Bedrock bottom.
144-1	OP			Pebbly sand plus rounded cobbles.	Thin layer of sediments over bedrock.
145-1	K	11	124	Silty clay with shell and worm burrows.	Uniform sediments. Sb at 16 feet. Bedrock may be at 140 feet below bottom.
146-1	K	11	122	Fairly uniform silty clay.	Uniform sediments.
*148-1	K	12	119	Silty clay with varying amounts of sand to 38 inches, pebbly to 41 inches. Less sand below 41 inches.	Faint layers at 2.5 to 3, 5, and 15 feet.
149-1	K	11	125	Uniform core of silty clay.	Uniform sediments.
150-1	K	11	126	Uniform core of silty clay.	Fairly uniform sediments.
151-1	K	11	24	Silty clay to 12 inches, rest of core sandy and pebbly. (Lower portion of core lost from corer.)	Sediments over bedrock.
*152-1	K	11	124	Uniform clayey silt with occasional pebbles.	Uniform sediments above Sb. Sb at 25'. 5 layers from 32 to 70 feet.
153-1	K	11	125	Uniform core of silty clay.	Fairly uniform sediments.
*154-1	K	11	125	Core of hard and soft, silty clay and clayey silt.	Non-uniform sediments over bedrock.
*155-1	OP			No sample.	Bedrock bottom.
156-1	K	11	121	Uniform silty clay, unconsolidated from 97 to 107 inches.	Uniform sediments.
157-1	K	11	127	Uniform core of silty clay.	Uniform sediments.
158-1	K	11	126	Uniform core of silty clay.	Uniform sediments.
160-1	OP			Silty sand. (Cutter smashed. Corer penetrated 1 1/2 feet. No core.)	Sediments over bedrock.
161-1	OP			Silty sand.	Bedrock with a thin layer of sediments.
162-1	OP			No sample.	Bedrock bottom.
*163-1	OP			Sand.	Bedrock bottom.
164-1	OP			No sample.	Bedrock bottom.
165-1	OP			No sample.	Bedrock bottom.
*166-1	K	0	0	Pebbly sand. Sample from core catcher, fines washed out.	Coarse sediments.
167-1	OP			No sample. (Sampler lowered twice.)	Bedrock.
168-1	OP			No sample.	Bedrock or coarse sediments.
169-1	OP			Clayey sand with pebbles and shell.	Bedrock with some sediments.
170-1	OP			Clayey sand with pebbles and a high percentage of shell. (Sampler lowered twice.)	30 feet penetration. Possibly coarse sediments over bedrock.
171-1	OP			Clayey sand with pebbles and shell.	Coarse sediments over bedrock.
172-1	OP			No sample.	Bedrock bottom.
*173-1	OP			No sample. (Sampler lowered three times.)	Bedrock or coarse sediments, to 35 feet of penetration.
174-1	OP			Sandy mud and pebbles.	Bedrock with cover of sediments.
175-1	OP			Pebbly sand with a high percentage of shell.	Bedrock.
176-1	OP			No sample. (Sampler lowered twice.)	Sediments to possibly 25 feet over bedrock.
177-1	OP			Clayey sand. (Corer penetrated 4 feet, no sample retained.)	Sediments of variable thickness over bedrock.
179-1	K	12	124	Clayey silt with hard, soft, and sandy zones.	Uniform sediments.
180-1	K	12	126	Clayey silt with sandy zone at top.	Fairly uniform sediments.
181-1	K	?	65	Alternating clayey silt, sandy mud and clayey silt.	Uniform sediments.
182-1	OP			Sand with larger rock fragments.	Bedrock.
183-1	OP			Pebbly sand with a high percentage of shell.	Bedrock.
184-1	OP			Clayey sand.	Sediments over bedrock.
*185-1	K	9	17	Sand and pebbles grading downward to silty mud. (Corer penetrated 4 feet.)	Non-uniform sediments, 40 feet of penetration.
186-1	OP			Clayey sand plus one rounded cobble.	Thin layer of sediments over bedrock.
187-1	OP			Clayey sand with pebbles and larger subround rock fragments.	Possibly 20 feet of sediments over bedrock.
188-1	OP			Pebbly sand and some larger rounded rock fragments.	Coarse sediments.
189-1	OP			Sandy mud.	Some sediments over bedrock.
*190-1	K	?	77	Clayey silt and silty clay with many thin layers of sandy material and hard clay. (Core slightly disturbed.)	Fairly uniform sediments.
191-1	K	?	116	Uniform clayey silt.	Fairly uniform sediments.

TABLE 2 (Continued)

Description of Bottom Samples and Corresponding Sonoprobe Record

Sta. No.	Type Sampler	Penetration (ft.)	Length of Core (in.)	Description of Bottom Samples and Remarks	Description of Corresponding Sonoprobe Record
*192-1	K	13	109	Uniform silty clay.	Fairly uniform sediments. Sb at 50 to 60 feet and appears to be coarse sediments. Penetration to 110 ft.
193-1	K	12	121	Uniform silty clay.	Fairly uniform sediments.
194-1	K	12	85	Uniform silty clay.	Uniform sediments.
195-1	K	12	119	Uniform silty clay.	Fairly uniform sediments.
196-1	K	12	120	Fairly uniform silty clay.	Probable layer at 2 feet.
197-1	OP			Silty mud. (Sampler lowered twice.)	Thin layer of sediments over bedrock.
198-1	K	13	107	Fairly uniform silty clay.	Uniform sediments. Sb at 33 feet and bedrock at about 40 feet below bottom.
*199-1	K	13	114	Uniform silty clay.	Faint layer at from 3 to 8 feet below bottom. Sb layer at 30 feet and bedrock at about 55 feet below bottom.
*200-1	K	13	129	Uniform silty clay.	Fairly uniform sediments. Sb pinches out over bedrock at 15 to 18 feet below bottom.
*201-1	K	6	68	Clayey silt at top becoming sandy with depth in core. Sandy mud from 48 to 64 inches. Scattered pebbles throughout.	Layers at 4 and 5.5 feet. Bedrock at 8.5 feet below bottom.
202-1	K	12	121	Uniform silty clay.	Uniform sediments. Sb 22 feet below bottom.
*203-1	K	12	125	Uniform silty clay.	Uniform sediments.
*204-1	K	11	120	Uniform core of silty clay.	Uniform sediments.
*205-1	K	11	116	Uniform core of silty clay.	Possible layer at 5 feet, Sb layer about 20 feet below bottom.
*206-1	K	11	122	Uniform core of silty clay.	Uniform sediments. Sb layer at 33 feet and bedrock about 75 feet below bottom.
*207-1	K	12	109	Clayey and silty mud to 48 inches. Below 48 inches sand and pebble content increases.	Faint layer at 4 feet.
*208-1	K	13	125	Silty clay to 82 inches, sand and pebble content increases to 104 inches, silty clay to bottom of core.	Layer at 9 feet, bedrock at 20 feet below bottom.
*209-1	K	5	55	Silty clay with increasing amounts of sand and some pebbles to 38 inches. 38 to 55 inches of clayey silt.	Uniform sediments to Sb at 12 feet, bedrock at 28 feet below bottom.
*210-1	K	12	119	Fairly uniform core of silty clay. Increased amount of sand at bottom.	Possible layers at 7 and 10 feet below bottom.
*211-1	K	10	94	Silty clay to 40 inches, sand increasing with depth. 40 to 94 inches sandy silt becoming pebbly sand at bottom. (Lower portion of core disturbed, fines probably washed out.)	6 layers between 15 and 50 feet, very faint.
212-1	K	13	121	Uniform core of silty clay.	Layer at 6 feet below bottom.
213-1	K	12	110	Uniform core of silty clay. Sandy at bottom.	Possible layer at 2 feet, Sb at 18 feet below bottom.
*214-1	K	12	118	Silty clay with silty and sandy lenses and hard clay zones to 44 inches. 44 to 118 inches silty clay with a few silty layers.	Layers at 10, 15, and 20 feet below bottom.
215-1	K	12	124	Fairly uniform core of silty clay.	Faint layers at 3.5, 7 and 10 feet below the bottom.
216-1	K	11	117	Uniform core of silty clay.	
217-1	K	?	125	Uniform core of silty clay.	Layers at 3.5 and 6 feet below bottom.
					Uniform sediments with a possible layer at 2 feet.

¹ K. . . Kullenberg Sampler
P. . . Phleger Sampler
OP. . . Orange Peel Sampler

² Sb. . . Subbottom Horizon
* Sonoprobe Record shown on Figures 15A Through 15E.

why reflections recorded on the Sonoprobe while lying-to at a sampling location often could not be correlated with the core taken at the station is lack of lateral continuity of the sedimentary layers. Rapid lateral and vertical lithologic changes are to be expected in estuarine environments where daily and seasonal changes in the energy conditions affect the quantity and type of material deposited at any location. In some cases, an apparent sedimentary layer recorded by the subbottom profiler while on station at a sampling location may be due to side echoes from highly reflective strata or a point source not directly beneath the ship.

On nearly all of the Sonoprobe runs in the survey area, penetration to bedrock was achieved. The greatest depth of signal penetration to bedrock was about 110 feet. Nevertheless, the thickness of the sediments in the center of the bay opposite Rockland may have been somewhat greater since over 100 feet of penetration was achieved, yet bedrock was not encountered.

The silty clays that make up most of the bay sediments permitted penetration to over 100 feet. There are indications that 20 to 40 feet of penetration is possible through a sequence of silty-clay sediment that also contains sand layers which are several feet thick. Cores 130, 137, 138, and 211 all contained several feet of fine to coarse sand. Although the bedrock trace was not apparent on the Sonoprobe records at these stations, the acoustic signal had penetrated 15 to perhaps 40 feet below the bottom. At locations 129, 136, 148, 201, 207, and 209, the bedrock trace was faint, but the signal had passed through at least several feet of sand as shown by the cores. The sandy sediments were all poorly sorted and contained an average of 30% silt- and clay-sized particles. The thickness of coarse material below the sampled depth down to bedrock is not known, but the acoustic signal had passed through the coarse material which lies in the zone of the subbottom reflecting horizon.

C. Interpretation of Subbottom Records

1. General

In an attempt to utilize the Sonoprobe as a tool in understanding and determining the types and conditions of deposition of subbottom sediments, factors such as instrument capability, geologic history, and sedimentary data must be taken into account. With this knowledge of the instrument and the area under study, it is possible to know what can actually be determined with the instrument, what types of sediments are to be expected, and, more specifically, what the characteristic reflections and penetration are of these known surface and near surface sediments. Some of these factors were discussed in previous sections.

The bottom and bedrock beneath the bottom produce the strongest reflections; soft sediments allow the greatest penetration, and clean sands and gravels permit very little signal penetration. The detection of subbottom sedimentary layers depends upon the acoustic contrast of the horizon in question and the sediments above. The differences in acoustic impedance, producing the contrast between sediments, are mainly due to textural and density differences.

The first problem encountered in interpreting subbottom records is to determine real echoes from multiple echoes and side, or ghost, reflections. Multiple reflections from the air-water interface can generally be resolved in as much as the multiple will appear on the record at twice the depth of the true horizon, and any dip to the horizon will be shown on the trace at twice the apparent dip of the real horizon. Multiples due to reverberation or scattering of the sound in a very coarse sedimentary deposit is also a possibility. Reflections such as those on run I (Figs. 4, 5, and 6) between marks G and N may be caused by a deposit of this type. This record shows a dark irregular zone of reflections.

Side reflections are due to reflections from horizons or point reflectors not beneath the ship but in the insonified area. As an example, in 100 feet of water, the Sonoprobe will insonify an area beneath the ship to a distance of over 25 feet from the normal to the transducer. A point reflector on the bottom within this radius will be recorded as a reflection up to 3 feet below the water bottom. When steaming or drifting these side reflections may be recorded as an arcuate (concave downward) trace on the record. An example of these reflections may be seen in Figure 7; mark N of run II. Side reflections from a hummocky bottom are shown in Figure 15A at station 51.

Once the validity of a reflection is established, the nature of the reflecting surface can then be determined. The water bottom is the first reflecting surface and in this area may be sediments, coarse glacial deposits such as till or outwash, or bedrock. The nature of the bottom is determined from the Sonoprobe record by the depth of signal penetration and the topography of the bottom. A sedimentary bottom will generally have a smoother profile and allow greater penetration than bedrock or glacial till, depending upon the grain size of the sediment. A bedrock bottom will show considerable relief and will reflect nearly all of the signal, giving a dark bottom trace with little if any penetration. Coarse sediments over bedrock are more difficult to determine. The topography and character of the reflections are similar to those obtained over bedrock. Bottom sampling in this case usually resolves the problem only to the extent that it tells whether or not some sediments are present.

The above criteria also are used to determine bedrock reflections below the bottom. Coarse glacial deposits again present a problem, but some penetration is usually obtained. The penetrating signal may experience reverberation, and random patterns of reflections may be recorded, depending upon the coarseness of the material.

The subbottom (or Sb horizon as shown on the records in this report) is defined for the purpose of interpreting the Sonoprobe records as any laterally continuous reflecting horizon below the bottom, except bedrock or coarse glacial material. This definition causes no ambiguity in the Penobscot Bay area since only one such reflection was found beneath the bottom, and it is physically and genetically related throughout the area. Cores 136, 137, 201, and 211, although not precisely defining the nature of this horizon, do indicate that at the depth of this horizon the sediments are considerably coarser than those above.

2. Sonoprobe Runs

a. Run 1

Run 1 (Figs. 4, 5, and 6), starting near Searsport and extending through the eastern portion of the bay, illustrates nearly all of the bottom and subbottom features found throughout the surveyed area. From marks A to D, the bedrock trace is very distinct and shows characteristic reflections and topography. In this area, the subbottom reflecting horizon and the bottom are essentially flat. The subbottom horizon truncates against the higher peaks of bedrock at depths of about 80 feet. The top of the sediments represented by this horizon are probably the late glacial clays described in the geology of the land areas. At this horizon, poorly sorted sands and pebbly sands were sampled, but since there was considerable penetration until bedrock was encountered, it is reasonable to assume that the sediments below the subbottom reflecting surface decrease in coarseness with depth. The sediments above the subbottom horizon are silty clays and sandy silts.

Between fixes A and B, several channels from 2 to 18 feet deep and up to 90 feet wide are cut into the surface layer of sediments. Channels also appear on several of the records over the coring sites in this general area. The channels are all in the northwestern portion of the northern sector of the bay in depths of 70 to 80 feet. In the vicinity of core locations 203 through 206 (Figs. 15A to 15E), there are several channels extending through the subbottom layer which is found at depths of 90 to 115 feet.

Between fixes B and C, faint stratification of the sediments below the subbottom horizon was recorded. Similar features were found at core locations 138, 139, and 210. It is possible that this stratification represents old channel deposits of the Penobscot River. The corer did not penetrate these layers.

As the subbottom goes deeper, south of mark D, the top of this layer becomes less sharply defined, and the contact seems to be gradational with the sediments above. The relief of this horizon and of the bottom becomes greater beyond this point. South of mark D, the bedrock reflection becomes less distinct and is lost in

many places owing to either the greater depth of bedrock or an increase in the coarseness of the material above the bedrock which prevented signal penetration.

South of mark G to mark N, the lowest reflecting horizon does not have the characteristics of the bedrock reflections in the beginning of the run. The topography of the horizon is hummocky, and the reflections seem to come from a zone rather than a surface. Bedrock is present between marks G and H and at mark K. Elsewhere, this horizon is probably coarse glacial material of varying thickness resting on bedrock. These deposits may be moraine, till, or stratified drift in places. The depressions between the ridges appear to be partially filled with coarse sediments showing some stratification. The well stratified sediments at fix N strongly suggest glacial outwash.

The subbottom reflecting horizon over these probable glacial deposits is scattered and irregular, and the sediments appear to be draped over the high points of the material below. In some areas, the silts and clays above the subbottom horizon follow the subbottom topography, and in other places they fill in the depressions and tend to reduce the bottom relief. About 500 yards south of fix G, the bottom topography and the subbottom reflections suggest slumping of the sediments from the bedrock high to the south. Slumping may also account for some of the features found between the hummocky peaks below the bottom between marks L and N.

b. Run II

In the beginning of run II (Fig. 7), the bedrock appears to be mantled by coarse glacial material, overlaid by the subbottom layer. Continuing south along run II, evidence of bedrock or coarse glacial material is not apparent. It is here that the sediments are thickest, probably on the order of 150 feet, since bedrock is not encountered with over 100 feet of penetration. Beyond mark M the subbottom horizon becomes discontinuous. At mark N, the arcuate subbottom reflections are probably due to lenses of coarse sediments without great lateral extent. The shapes of the reflections are due to the high reflectivity of the material and the spread of the transmitted signal as the ship passed over these reflectors.

c. Runs VII, VIII, and IX

Run IX (Fig. 12) begins in the south near the end of run II and extends northward in the western portion of the bay. In run IX, the subbottom is defined better than in run II, but the horizon ends abruptly between marks E and F. Up to this point, the bedrock trace is shown only faintly and intermittently on the record. North of this point it is clearly shown. The subbottom layer apparently consists of coarse material, causing a considerable reduction in signal penetration. The lowest reflecting horizon appears to be bedrock with little evidence of coarse glacial material above; however, run VII (Fig. 10), which parallels run IX for a portion of its

length, shows features believed to be characteristic of coarse glacial sediments. The lack of similar reflections is probably due to the scales of the recordings. Run VII has a vertical exaggeration of about 15 times, while run IX has an exaggeration of 60. Run VII is probably the most representative of the actual subbottom conditions.

North of mark B on run VII, the bottom is bedrock thinly covered by sediments. Run VIII also shows a bedrock bottom only thinly covered by sediment. Slumping is suggested by the subbottom reflections at mark F on run VII.

d. Runs III, IV, V, and VI

Runs III, IV, and V (Fig. 8) begin near mark R on run II and cover the area southward, the deepest part of the bay. The maximum depth is about 540 feet shown on run IV. The deepest portions of the basin seem to be bedrock thinly covered by sediments. The sediments thicken to the north and west. Run VI (Fig. 9), continuing south from the end of these three runs, again shows bedrock covered by sediments which become thinner and spotty to the south.

e. Run XI

Run XI (Figs. 13 and 14), in the northwest approaches to the bay, shows mostly bedrock with sediments filling many of the depressions. From beyond fix E to fix H the sediment cover is thicker, and the subbottom horizon is present in places.

VI. CONCLUSIONS

The sediments and subbottom evidence indicate that glaciation and marine submergence were the cause of most of the topographic and sedimentary features found in the bay and its approaches. Although Penobscot Bay undoubtedly owes its major morphological features to preglacial stream erosion, subbottom evidence indicates that glacial erosion was largely responsible for forming the basin in the entrance to the bay. As interpreted from the Sonoprobe records, the floor of the basin is bedrock mantled by a relatively thin layer of sediments. The southern flank of the basin has a thicker cover of sediments, but all indications are that bedrock and not coarse glacial debris lies beneath these deposits. Personal observations of glacial striations on Mt. Battie, 7 miles north of Rockland, indicate glaciation parallel to the length of the bay. This direction of ice movement would tend to encourage glacial scour of the valley floor. Although the topography of the land areas does not support this view, the bedrock geology does add a degree of credence. The granite contact, shown on Figure 18, probably strikes northeast through the southern flank of the depression. The granite lies to the south whereas more easily eroded rocks lie to the north.

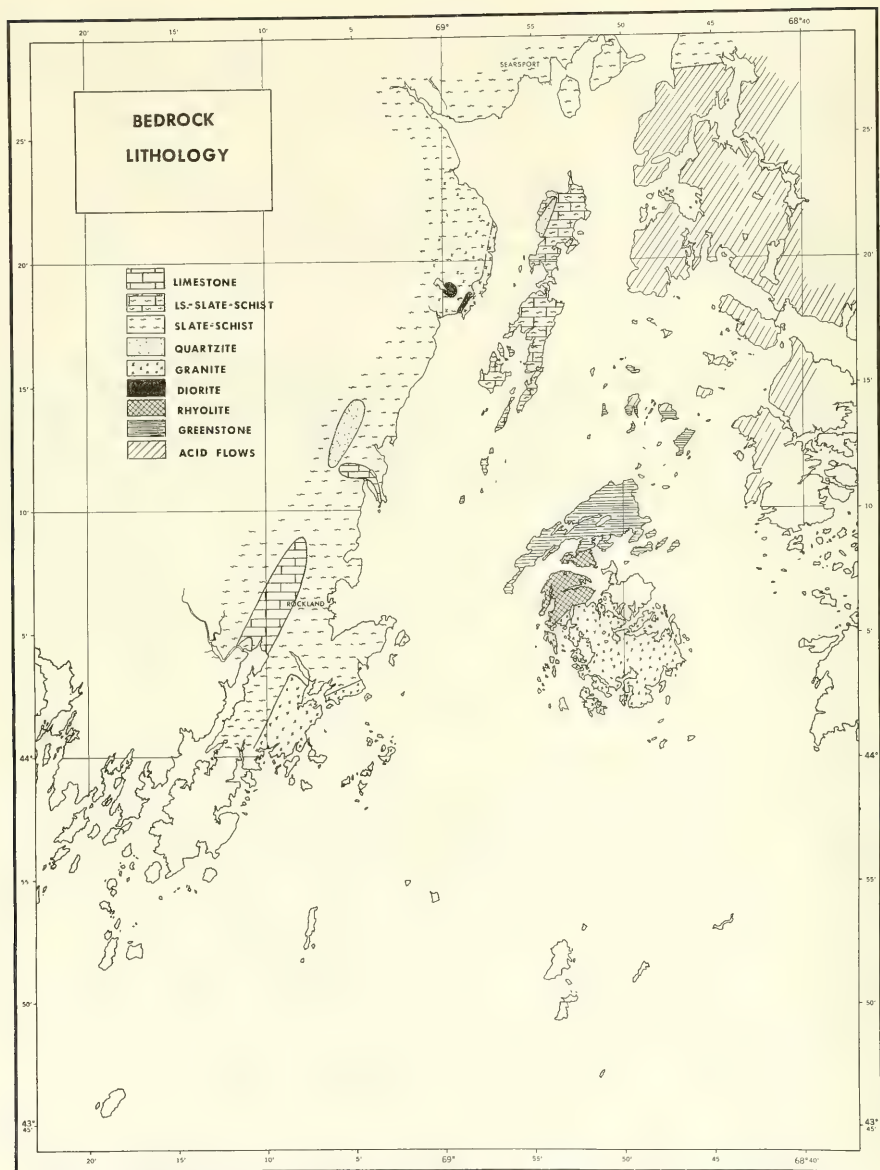


FIGURE 18. PENOBSCOT BAY AREA BEDROCK LITHOLOGY
(after Bastin, 1908, and Smith, et.al., 1907)

The glacial drift lying on bedrock can only be inferred. The coarse deposits noted in the discussion of the Sonoprobe runs are most likely glacial material deposited by the last ice sheet (Cary) to occupy the preglacial Penobscot River valley. The stratification of some of the deposits recorded at fix N of run I are probably outwash deposits from the last ice sheet, or a late remnant or lobe trapped in the valley depression north of fix N. The material below the subbottom and above the bedrock north of fix N to about fix L could be till and ice contact deposits which record a stand of the ice sheet during its regression.

Following deglaciation, or perhaps contemporaneously with deglaciation, the sea inundated the coastal area to a maximum of 300 feet above present sea level. The sediments deposited during this time were not sampled, but probably they do not differ from the silty clays described in the geology of the land areas. These are the sediments below the subbottom horizon in Penobscot Bay.

The two sequences of late-glacial marine sediments (Leavitt and Perkins, 1935) are not apparent on the Sonoprobe records. The deposits noted as till or ice-contact deposits on run I south of marks H and L, however, may be marine sediments deformed by a later advance of the ice sheet. The subbottom records do not resolve the problem since either interpretation of these deposits may be possible.

The sediments below the subbottom horizon were deposited in shallow water by sediment laden glacial meltwater in the bay and elsewhere (Bastin, 1908, and Goldthwait, 1949) during the transgressive phase of the marine submergence. The development of the subbottom horizon requires a marked change in conditions over the previous depositional cycle. The few cores which approached or penetrated the subbottom reflecting surface indicate that at or above this level the sediments are pebbly and silty sands. This horizon is flat north and northeast of Long Island at maximum depths of 70 to 80 feet below sea level. Northwest of Long Island, inside the 60-foot contour, this horizon drops abruptly to 90 feet and greater. Towards the shores in the northern sector of the bay the subbottom horizon becomes shallower.

In the central and southern sectors of the bay, the subbottom horizon is deeper, becomes less continuous, is probably more variable in its degree of coarseness, and has considerable relief relative to the northern part of the bay. The top of the horizon also appears to be gradational with the sediments above and below as the echoes are not as sharply defined as in the northern part of the bay.

As mentioned above, the sediments below the subbottom marker horizon are probably late-glacial marine clays described in the literature for the surrounding land areas. The sediment-Sonoprobe correlation is not precise enough to assign the coarse material found at or near this horizon to the top of the late-glacial clays or to the base of the sediments above. This may not be of great significance, however,

since the form and topography of this horizon does indicate a lower stand of the sea. This horizon is relatively flat in the northern sector of the bay and appears to be graded to some lower stand of the sea whereas to the south in deeper water this appearance and this form are lost. It is postulated that the subbottom surface in the northern part of the bay owes its development to a postglacial retreat of the sea and sediment reworking and deposition in mudflat, deltaic, or sub-deltaic environments.

The stratified deposits noted on run I, between marks A and B, and at core locations 138, 139, and 210 are all found immediately below the subbottom horizon and appear to be channel deposits of the Penobscot River. The alignment of these stations is suggestive of this origin. (Similar deposits were also noted at station 152.) To the west of this area but still in the northern sector, the depth of the subbottom horizon increases abruptly and is cut by numerous channels. This area was probably in the direction of the major drainage from the Penobscot River. The channeling of the subbottom layer in the vicinity of stations 202 to 208 is probably an erosional feature developed in fairly shallow water.

The topography on the late-glacial clays may be an original depositional feature, but the coarse material found above, marking the subbottom horizon, requires a lower level of the sea at the time of deposition of the coarser sediments. The extent of the drop in sea level is not known for this area and cannot be precisely determined from the evidence on hand, but it is probably on the order of 50 to 60 feet. The date when this event took place, however, can be defined more closely. The wood obtained in core 211 at a depth of 94 inches below the bottom was dated by the radiocarbon laboratory of the U. S. Geological Survey (sample number W1306). The sample dated $7,390 \pm 500$ years B.P. The Sonoprobe record at this location shows the subbottom horizon at a depth of $7 \frac{1}{2}$ to 8 feet below the bottom. The sample of wood was obtained slightly above or at the depth of this horizon.

In the earlier discussion of the glacial and postglacial history of Maine, the following was stated: the maximum submergence was about 11,800 years B.P., emergence was in progress 7,000 to 8,000 years ago in southwestern Maine, with the maximum emergence, on the order of only about 35 feet, occurring prior to 6,000 years ago. In Boston emergence was 15 to 30 feet and occurred 5,700 years B.P. The date for Penobscot Bay places the emergence farther back in time and was of a greater extent than for any of the places mentioned above. Redfield and Rubin, (1962) have plotted a number of peat and wood sample dates for southern New England, New Hampshire, Maine, and Nova Scotia. Although the majority of the dates are for less than 4,000 years, the few older samples and the trends of the southern New England and Nova Scotia samples indicate that the Penobscot Bay date is compatible with a lower sea level of 50 to 60 feet. It should be noted, however, that the Maine and New Hampshire dates do not provide good agreement with the Penobscot Bay date.

Following this stage of development, the sea readvanced depositing the silty clays found above the subbottom layer. These sediments, as mentioned earlier, are fairly uniform throughout the area except in the northern sector and in the entrance and approaches to the bay.

The main features of the recent sediments of Penobscot Bay are the prevalence of the olive-gray silty clay, lenses and laminae of sandy and silty material, and scattered pebbles found in the fine grained sequences of sediments. The black banding found in many of the cores as well as the hard clay masses and layers found in the cores and the similar material found on the surface of the sediments were also common. Woody material also was found in many of the cores. Nearly all the sediments were poorly sorted.

In the northern sector of the bay, the cores containing coarse material grade upward into finer material. The lenses and laminae of silts and sands, the clay layers and/or balls and fragments, and the pebbly and woody material all suggest shallow water estuarine conditions. The sea level probably rose gradually to its present position or above as indicated by the finer sediments upward from the sub-bottom horizon. Channeling such as that found at the beginning of run I would be expected over tidal flats or very shallow water. At any rate these channels must have been formed at an earlier time and are still preserved. As the sea level rose, the rate of sedimentation decreased to its present condition. Some fine-grained sedimentation is probably taking place in the northern part of the bay and on the tidal flats and marshes. The sediments are being derived largely from the reworking of the bay deposits farther south.

The usefulness of the Sonoprobe as a tool for studying the Pleistocene and Recent geologic history of Penobscot Bay has been demonstrated. The principal advantage of this survey method is to provide continuity and to delineate the morphology of sub-bottom reflections throughout the area under study. Although direct correlation of vertical lithologic changes and Sonoprobe reflections was not always possible, the lack of correlation is not in itself a shortcoming of the instrument. Correlation from core to core was equally difficult. Moreover, the properties of bottom deposits or the magnitude of changes in the physical properties, required to produce a reflection of the acoustic signal are not precisely known. The Sonoprobe does define changes in bottom and subbottom characteristics or type that may be only subtly reflected in the physical properties of the sediments. These changes, so well shown on the Sonoprobe records, may be difficult to distinguish in cores.

The subbottom horizon in Penobscot Bay could not have been defined in depth, lateral extent, or morphology of its reflecting surface by the bottom sampling program alone. In addition, the slump structures, the bedrock basin, and the subbottom glacial deposits are features which could not have been defined so readily and graphically by other means.

The Sonoprobe provides a ready means of determining facies changes , and when combined with a bottom sampling program, it can provide meaningful data over a large area with a minimum of bottom samples. The Sonoprobe was used to a limited degree in the Penobscot Bay survey to determine the type of bottom sampler to use at many of the stations. Used to its fullest extent, the number of bottom samples could have been reduced to a fraction of those obtained.

Members of the survey party were Mr. R. L. Cory, Party Chief, Mr. John R. DePalma, Mr. A. P. Franceschetti, and the author.

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APPENDIX

LIST OF ALL BOTTOM SEDIMENT STATIONS TAKEN DURING 1959 PENOBSCOT BAY SURVEY

BOTTOM SEDIMENT ANALYSIS SHEETS

LIST OF ALL BOTTOM SEDIMENT STATIONS TAKEN
DURING 1959 PENOBSCOT BAY SURVEY

Station No.	Station Position*	Description Presented in Table 2	Sonoprobe Record shown on Figures 15A to 15E	Summary Sheet presented in Appendix
1 to 39	See Appendix	No	No	Yes
40 to 50		Not Incl. in Report		
51		No	Yes	Yes
G		No	No	Yes
H		No	No	Yes
52 to 68		Not Incl. in Report		
69 to 77		No	No	Yes
78 to 89		Not Incl. in Report		
90		No	No	Yes
91		Yes	Yes	Yes
92	43°55'48"N			
	69 05 57 W	Yes	No	No
93-1		Yes	Yes	Yes
93-2		Yes	Yes	Yes
94		Yes	Yes	Yes
95	43 49 57 N			
	69 14 10 W	Yes	Yes	No
96	43 47 28 N			
	69 17 35 W	Yes	No	No
97		Yes	Yes	Yes
98		Yes	Yes	Yes
99	43 47 06 N			
	69 02 27 W	Yes	Yes	No
100		Yes	No	Yes
101		Yes	No	Yes
102		Yes	No	Yes
103		Yes	No	Yes
104		Yes	No	Yes
105		Yes	No	Yes
106		Yes	No	Yes
107		Yes	No	Yes
108		Yes	No	Yes
109	43 56 00 N			
	68 56 06 W	Yes	No	No
110	43 56 03 N			
	68 57 54 W	Yes	No	No
111	43 57 24 N			
	68 57 54 W	Yes	No	No
112		Yes	No	Yes
113-1		Yes	No	Yes
113-2		Yes	Yes	Yes
114		Yes	No	Yes
115		No	No	Yes
116		No	No	Yes

* If position is not given see
Bottom Sediment Analysis Sheet

LIST OF ALL BOTTOM SEDIMENT STATIONS TAKEN
DURING 1959 PENOBSCOT BAY SURVEY (Continued)

Station No.	Station Position*	Description Presented in Table 2	Sonoprobe Record shown on Figures 15A to 15E	Summary Sheet presented in Appendix
117		No	No	Yes
118-1		Yes	No	Yes
118-2		Yes	No	No
119-1		No	No	Yes
119-2		No	No	Yes
120-1		No	No	Yes
120-2		No	No	Yes
121		No sample attempted		
122		Yes	No	Yes
123		Yes	Yes	Yes
124-1		Yes	No	Yes
124-2		Yes	No	Yes
125	44°11'52"N 69 01 59 W	Yes	Yes	No
126-1		Yes	Yes	Yes
126-2		Yes	Yes	Yes
127		Yes	Yes	Yes
128		Yes	No	Yes
129-1		Yes	No	Yes
129-2		Yes	Yes	Yes
130		Yes	Yes	Yes
131		Yes	No	Yes
132		Yes	No	Yes
133		Yes	No	Yes
134-1		No	Yes	No
134-2		Yes	Yes	Yes
135-1		Yes	No	Yes
135-2		Yes	No	Yes
136		Yes	Yes	Yes
137-1		Yes	No	Yes
137-2		Yes	Yes	Yes
138		Yes	Yes	Yes
139		Yes	Yes	Yes
140		Yes	Yes	Yes
141		Yes	Yes	Yes
142		Yes	No	Yes
143	44 16 09 N 68 49 58 W	Not analyzed in laboratory		
144		Yes	No	Yes
145		Yes	No	Yes
146		Yes	No	Yes
147		No	No	Yes
148		Yes	Yes	Yes
149		Yes	No	Yes

* If position is not given see
Bottom Sediment Analysis Sheet

LIST OF ALL BOTTOM SEDIMENT STATIONS TAKEN
DURING 1959 PENOBSCOT BAY SURVEY (Continued)

Station No.	Station Position*	Description Presented in Table 2	Sonoprobe Record shown on Figures 15A to 15E	Summary Sheet presented in Appendix
150		Yes	No	Yes
151		Yes	No	Yes
152		Yes	Yes	Yes
153		Yes	No	Yes
154		Yes	Yes	Yes
155	44°13'17"N 68 57 55 W	Yes	Yes	No
156		Yes	No	Yes
157		Yes	No	Yes
158		Yes	No	Yes
159		No	No	Yes
160		Yes	No	Yes
161		Yes	No	Yes
162	44 04 49 N 68 57 56 W	Yes	No	No
163		Yes	Yes	Yes
164	44 01 45 N 68 57 59 W	Yes	No	No
165	44 00 13 N 68 57 56 W	Yes	No	No
166		Yes	Yes	Yes
167	43 59 13 N 68 55 32 W	Yes	No	No
168	43 58 52 N 68 54 11 W	Yes	No	No
169		Yes	No	Yes
170		Yes	No	Yes
171		Yes	No	Yes
172	43 57 16 N 68 50 04 W	Yes	No	No
173	43 57 21 N 68 52 03 W	Yes	Yes	No
174		Yes	No	Yes
175		Yes	No	Yes
176	43 57 25 N 68 56 02 W	Yes	No	No
177		Yes	No	Yes
178		No	No	Yes
179		Yes	No	Yes
180		Yes	No	Yes
181		Yes	No	Yes
182		Yes	No	Yes
183		Yes	No	Yes
184		Yes	No	Yes

* If position is not given see
Bottom Sediment Analysis Sheet

LIST OF ALL BOTTOM SEDIMENT STATIONS TAKEN
DURING 1959 PENOBSCOT BAY SURVEY (Continued)

Station No.	Station, Position*	Description Presented in Table 2	Sonoprobe Record shown on Figures 15A to 15E	Summary Sheet presented in Appendix
185		Yes	Yes	Yes
186		Yes	No	Yes
187		Yes	No	Yes
188		Yes	No	Yes
189		Yes	No	Yes
190		Yes	Yes	Yes
191		Yes	No	Yes
192		Yes	Yes	Yes
193		Yes	No	Yes
194		Yes	No	Yes
195		Yes	No	Yes
196		Yes	No	Yes
197		Yes	No	Yes
198		Yes	No	Yes
199		Yes	Yes	Yes
200		Yes	Yes	Yes
201		Yes	Yes	Yes
202		Yes	No	Yes
203		Yes	Yes	Yes
204		Yes	Yes	Yes
205		Yes	Yes	Yes
206		Yes	Yes	Yes
207		Yes	Yes	Yes
208		Yes	Yes	Yes
209		Yes	Yes	Yes
210		Yes	Yes	Yes
211		Yes	Yes	Yes
212		Yes	No	Yes
213		Yes	No	Yes
214		Yes	Yes	Yes
215		Yes	No	Yes
216		Yes	No	Yes
217		Yes	No	Yes

* If position is not given see
Bottom Sediment Analysis Sheet

BOTTOM SEDIMENT ANALYSIS SHEETS

Results of bottom sediment analysis performed by the U.S. Naval Oceanographic Office are recorded on sediment analysis sheets.

The following items are descriptions of the terms employed on the sediment analysis sheets:

1. Sample Number. This number has 3 parts: 66 (the area)
1 (the station number)
1 or 2 (the sample number at the station)
2. Latitude. Expressed in degrees, minutes, and seconds.
3. Longitude. Expressed in degrees, minutes, and seconds.
4. Date. Day (GMT), month, and year.
5. Sampler Type. Identified by name of device employed. Shown only for core.
6. Water Depth (fm.). The uncorrected sonic sounding recorded in fathoms.
7. Core Length (in.). Recorded in inches as observed in the laboratory. This information is not given when a grab sampler was employed. Shown only for cores.
8. Core Penetration (in.). Recorded in inches as observed in the field. This information is not given when a grab sampler was employed. Shown only for cores.
9. Laboratory Number. A reference number assigned to a fraction of a sample retained by the Laboratory.
10. Subsample Depth in Core (in.). Interval of the subsample as measured from the top of the core. Not applicable for a grab sample. Shown only for cores.
11. Color. Based on the Geological Society of America Rock-Color Chart. For those samples where color was not determined in the field, the sample was moistened in the laboratory for a color determination.
12. Odor. A qualitative description of any noticeable odors.
13. Wet Density (lbs/ft³). Not determined.
14. Rigidense (mm). Not determined.
15. Maximum Porosity (%). Not determined.
16. Minimum Porosity (%). Not determined.
17. Water Content (%). Not determined.
18. Organic Carbon Content (%). Not determined.

19. Size Analysis and Statistical Measures. Sample size fraction values are based on dry weight and given in phi (ϕ) units to the nearest whole percent. An American Instrument Company sieving machine and U. S. standard sieves were used for determining sand and larger size fractions ($> 1/16$ mm). The pipette method, based on Stokes Law (for computing settling rates of spherical particles), was used to determine silt size ($1/16$ to $1/1256$ mm) and clay size particles ($1/1256$ to $1/4096$ mm). Any colloidal material ($< 1/4096$ mm) was included with the clay.

QD ϕ - (phi quartile deviation). Is that statistical parameter which is a measure of one half of the spread of the quartiles and is expressed in phi units with the given value computed from the formula:

$$QD\phi = \frac{Q_{3\phi} - Q_{1\phi}}{2}$$

Sorting referred to in the text was determined in accordance with the relationship between QD ϕ and Trask's Sorting Coefficient (So)*

Sk ϕ - (phi quartile skewness). Is that statistical parameter which is a measure of half the sum of the first and third quartile values less the median and is expressed in phi units with the given value computed from the formula:

$$Sk\phi = \frac{Q_{1\phi} + Q_{3\phi}}{2} - Md\phi$$

Md ϕ - (phi median). Is the middlemost member of the distribution curve above which 50 percent of the diameters in the distribution are larger and below which 50 percent of the diameters are smaller and is expressed in phi units.

* Reference to Sorting

Krumbein, W. C., and F. J. Pettijohn, 1938, *Manual of sedimentary petrography*. Appleton-Century-Croft, New York, 549 pp.

Page 235, Fig. 110. Conversion chart for So and QD ϕ . $\log_2 So = QD\phi$

QD ϕ < 1.32 = well sorted
 1.58 = normally sorted sediment
 > 2.18 = poorly sorted

The following table is presented for the conversion of phi units to millimeters: $\phi = \log_2 \text{diameter (millimeters)}$

Phi (ϕ)	Millimeters	Geological Classification
-2	4.0	
-1	2.0	Granule
0	1.0	
1	0.50	
2	0.25	
3	0.125	
4	0.0625	Sand
5	0.0313	
6	0.0156	
7	0.0078	
8	0.0039	
9	0.00195	Silt
>9	-----	Clay

20. Subsample Dry Weight (gm.). Total dry weight of the subsample.
21. Sphericity (avg.). Not determined.
22. Plasticity. A qualitative description of the sediments plastic characteristics at the time the sample was analyzed in the laboratory.
23. Shell Con. A visual estimate of the percentage of sample that is shell.
- 24, 25, and 26. Dominant, Secondary, and Other Minerals (%). Not determined.
27. Remarks.

1. SAMPLE NUMBER	66-4-1	2. LATITUDE	44°	3. LONGITUDE	69°	4. DATE (Day, month, year)	5 August 1969	5. LABORATORY NUMBERS	4791	6. WATER DEPTH (m.)	31.7	11. COLOR	Olive Gray 5441	12. DOOR		13. WET DENSITY (lb./ft ³)		14. RIGIDNESS (mm)		15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)		17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SIZE ANALYSIS AND STATISTICAL MEASURES		20. SUBSAMPLE DRY WEIGHT (gm)		21. SPECIFIC (gwg.)		22. Plasticity Plasticity	Mod	23. Shrinkage Shrinkage (mm) Shell Gm.	< 1%	24. DOMINANT MINERAL (%)		25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)		27. REMARKS: Items 11-26 determined in the lab	The sample was composed of silt and clay.	Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-3-1	2. LATITUDE	44°	3. LONGITUDE	69°	4. DATE (Day, month, year)	5 August 1969	5. LABORATORY NUMBERS	4790	6. WATER DEPTH (m.)	31.7	11. COLOR	Olive Gray 5441	12. DOOR	faul	13. WET DENSITY (lb./ft ³)		14. RIGIDNESS (mm)		15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)		17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SIZE ANALYSIS AND STATISTICAL MEASURES		20. SUBSAMPLE DRY WEIGHT (gm)		21. SPECIFIC (gwg.)		22. Plasticity Plasticity	Mod	23. Shrinkage Shrinkage (mm) Shell Gm.	< 1%	24. DOMINANT MINERAL (%)		25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)		27. REMARKS: Items 11-26 determined in the lab	The sample was composed of silt and clay.	Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-2-1	2. LATITUDE	44°	3. LONGITUDE	69°	4. DATE (Day, month, year)	5 August 1969	5. LABORATORY NUMBERS	4789	6. WATER DEPTH (m.)	35.8	11. COLOR	Olive Gray 5441	12. DOOR		13. WET DENSITY (lb./ft ³)		14. RIGIDNESS (mm)		15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)		17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SIZE ANALYSIS AND STATISTICAL MEASURES		20. SUBSAMPLE DRY WEIGHT (gm)		21. SPECIFIC (gwg.)		22. Plasticity Plasticity	Mod	23. Shrinkage Shrinkage (mm) Shell Gm.	< 1%	24. DOMINANT MINERAL (%)		25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)		27. REMARKS: Items 11-26 determined in the lab	The sample was composed of silt and clay	Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-1-1	2. LATITUDE	44°	3. LONGITUDE	69°	4. DATE (Day, month, year)	5 August 1969	5. LABORATORY NUMBERS	4788	6. WATER DEPTH (m.)	38.3	11. COLOR	Olive Gray 5441	12. DOOR		13. WET DENSITY (lb./ft ³)		14. RIGIDNESS (mm)		15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)		17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SIZE ANALYSIS AND STATISTICAL MEASURES		20. SUBSAMPLE DRY WEIGHT (gm)		21. SPECIFIC (gwg.)		22. Plasticity Plasticity	Mod	23. Shrinkage Shrinkage (mm) Shell Gm.	< 1%	24. DOMINANT MINERAL (%)		25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)		27. REMARKS: Items 11-26 determined in the lab	The sample was composed of silt and clay with some sand. * Contained dark streaks	Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-5-1
2. LATITUDE	44° 11' 06" N
3. LONGITUDE	69° 00' 18" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4792

6. WATER DEPTH (m.) 387.5

11. COLOR Olive Gray 5441

12. DOOR

13. NET DENSITY (lb./ft³)

14. RIGIDITY (cm)

15. MAXIMUM POROSITY (%)

16. MINIMUM POROSITY (%)

17. WATER CONTENT (%)

18. ORGANIC CARBON CONTENT (%)

19. SIZE ANALYSIS AND STATISTICAL MEASURES

20. SUSPENSIBLE DRY WEIGHT (gm)

21. SPECIFIC (avg.)

22. MINERALS (avg.) Plasticity Med

23. SHORTEST-TENSILE (avg.) Shell 11 gm.

24. DOMINANT MINERAL (%)

25. SECONDARY MINERAL (%)

26. OTHER MINERALS (%)

27. REMARKS: Items 11-26 determined in the lab

The sample was composed of silt and clay

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-6-1
2. LATITUDE	44° 12' 12" N
3. LONGITUDE	69° 00' 18" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4793

6. WATER DEPTH (m.) 32.6

11. COLOR Olive Gray 5441

12. DOOR

13. NET DENSITY (lb./ft³)

14. RIGIDITY (cm)

15. MAXIMUM POROSITY (%)

16. MINIMUM POROSITY (%)

17. WATER CONTENT (%)

18. ORGANIC CARBON CONTENT (%)

19. SIZE ANALYSIS AND STATISTICAL MEASURES

20. SUSPENSIBLE DRY WEIGHT (gm)

21. SPECIFIC (avg.)

22. MINERALS (avg.) Plasticity Med

23. SHORTEST-TENSILE (avg.) Shell 11 gm.

24. DOMINANT MINERAL (%)

25. SECONDARY MINERAL (%)

26. OTHER MINERALS (%)

27. REMARKS: Items 11-26 determined in the lab

The sample was composed of silt and clay

Sediment Type Clayey Silt

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-7-1
2. LATITUDE	44° 13' 12" N
3. LONGITUDE	69° 00' 18" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4794

6. WATER DEPTH (m.) 26.7

11. COLOR Olive Gray 5441

12. DOOR

13. NET DENSITY (lb./ft³)

14. RIGIDITY (cm)

15. MAXIMUM POROSITY (%)

16. MINIMUM POROSITY (%)

17. WATER CONTENT (%)

18. ORGANIC CARBON CONTENT (%)

19. SIZE ANALYSIS AND STATISTICAL MEASURES

20. SUSPENSIBLE DRY WEIGHT (gm)

21. SPECIFIC (avg.)

22. MINERALS (avg.) Plasticity Med

23. SHORTEST-TENSILE (avg.) Shell 11 gm.

24. DOMINANT MINERAL (%)

25. SECONDARY MINERAL (%)

26. OTHER MINERALS (%)

27. REMARKS: Items 11-26 determined in the lab

The sample was composed of silt and clay

Sediment Type Clayey Silt

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-8-1
2. LATITUDE	44° 14' 06" N
3. LONGITUDE	68° 59' 36" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4795

6. WATER DEPTH (m.) 25.8

11. COLOR Olive Gray 5441

12. DOOR

13. NET DENSITY (lb./ft³)

14. RIGIDITY (cm)

15. MAXIMUM POROSITY (%)

16. MINIMUM POROSITY (%)

17. WATER CONTENT (%)

18. ORGANIC CARBON CONTENT (%)

19. SIZE ANALYSIS AND STATISTICAL MEASURES

20. SUSPENSIBLE DRY WEIGHT (gm)

21. SPECIFIC (avg.)

22. MINERALS (avg.) Plasticity Med

23. SHORTEST-TENSILE (avg.) Shell 11 gm.

24. DOMINANT MINERAL (%)

25. SECONDARY MINERAL (%)

26. OTHER MINERALS (%)

27. REMARKS: Items 11-26 determined in the lab

The sample was composed of silt and clay

Sediment Type Clayey Silt

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-9-1
2. LATITUDE	44° 15' 00" N
3. LONGITUDE	68° 59' 00" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4796
6. WATER DEPTH (m.)	200
11. COLOR	Olive Gray 5441

1. SAMPLE NUMBER	66-10-1
2. LATITUDE	44° 15' 54" N
3. LONGITUDE	68° 58' 24" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4797
6. WATER DEPTH (m.)	217
11. COLOR	Olive Gray 5441

1. SAMPLE NUMBER	66-11-1
2. LATITUDE	44° 16' 42" N
3. LONGITUDE	68° 57' 18" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4798
6. WATER DEPTH (m.)	226
11. COLOR	Olive Gray 5441

1. SAMPLE NUMBER	66-12-1
2. LATITUDE	44° 15' 12" N
3. LONGITUDE	68° 56' 48" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4799
6. WATER DEPTH (m.)	232
11. COLOR	Olive Gray 5441

12. DGR	
13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. -2 _φ (s)	3	0%
b. -2 _φ to -1 _φ (s)	3	3%
c. -1 _φ to 0 _φ (s)	5	6%
d. 0 _φ to 1 _φ (s)	6	0%
e. 1 _φ to 2 _φ (s)	8	0%
f. 2 _φ to 3 _φ (s)	9	
g. 3 _φ to 4 _φ (s)	6	
h. 4 _φ to 5 _φ (s)	8	
i. 5 _φ to 6 _φ (s)	8	
j. > 6 _φ (s)	28	
20. DISAMPLE DRY WEIGHT (gm)	19.91	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

12. DGR	
13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. -2 _φ (s)	3	0%
b. -2 _φ to -1 _φ (s)	3	3%
c. -1 _φ to 0 _φ (s)	5	6%
d. 0 _φ to 1 _φ (s)	6	0%
e. 1 _φ to 2 _φ (s)	8	0%
f. 2 _φ to 3 _φ (s)	9	
g. 3 _φ to 4 _φ (s)	6	
h. 4 _φ to 5 _φ (s)	8	
i. 5 _φ to 6 _φ (s)	8	
j. > 6 _φ (s)	28	
20. DISAMPLE DRY WEIGHT (gm)	19.91	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

a. -2 _φ (s)	3	0%
b. -2 _φ to -1 _φ (s)	3	3%
c. -1 _φ to 0 _φ (s)	5	6%
d. 0 _φ to 1 _φ (s)	6	0%
e. 1 _φ to 2 _φ (s)	8	0%
f. 2 _φ to 3 _φ (s)	9	
g. 3 _φ to 4 _φ (s)	6	
h. 4 _φ to 5 _φ (s)	8	
i. 5 _φ to 6 _φ (s)	8	
j. > 6 _φ (s)	28	
20. DISAMPLE DRY WEIGHT (gm)	19.91	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

a. -2 _φ (s)	10	0%
b. -2 _φ to -1 _φ (s)	4	3%
c. -1 _φ to 0 _φ (s)	4	4%
d. 0 _φ to 1 _φ (s)	5	0%
e. 1 _φ to 2 _φ (s)	6	0%
f. 2 _φ to 3 _φ (s)	12	
g. 3 _φ to 4 _φ (s)	13	
h. 4 _φ to 5 _φ (s)	11	
i. 5 _φ to 6 _φ (s)	15	
j. > 6 _φ (s)	20	
20. DISAMPLE DRY WEIGHT (gm)	29.81	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

a. -2 _φ (s)	2	0%
b. -2 _φ to -1 _φ (s)	1	3%
c. -1 _φ to 0 _φ (s)	2	4%
d. 0 _φ to 1 _φ (s)	3	0%
e. 1 _φ to 2 _φ (s)	6	0%
f. 2 _φ to 3 _φ (s)	18	
g. 3 _φ to 4 _φ (s)	15	
h. 4 _φ to 5 _φ (s)	15	
i. 5 _φ to 6 _φ (s)	18	
j. > 6 _φ (s)	21	
20. DISAMPLE DRY WEIGHT (gm)	28.70	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Non e	
23. SHRETT-KATZMAN (mm) Shell Cn.	0	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

a. -2 _φ (s)		0%
b. -2 _φ to -1 _φ (s)		3%
c. -1 _φ to 0 _φ (s)		1%
d. 0 _φ to 1 _φ (s)		0%
e. 1 _φ to 2 _φ (s)		3%
f. 2 _φ to 3 _φ (s)		8%
g. 3 _φ to 4 _φ (s)		18%
h. 4 _φ to 5 _φ (s)		19%
i. 5 _φ to 6 _φ (s)		24%
j. > 6 _φ (s)		27%
20. DISAMPLE DRY WEIGHT (gm)		19.44
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand, silt and clay	

12. DGR	
13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. -2 _φ (s)	3	0%
b. -2 _φ to -1 _φ (s)	3	3%
c. -1 _φ to 0 _φ (s)	5	6%
d. 0 _φ to 1 _φ (s)	6	0%
e. 1 _φ to 2 _φ (s)	8	0%
f. 2 _φ to 3 _φ (s)	9	
g. 3 _φ to 4 _φ (s)	6	
h. 4 _φ to 5 _φ (s)	8	
i. 5 _φ to 6 _φ (s)	8	
j. > 6 _φ (s)	28	
20. DISAMPLE DRY WEIGHT (gm)	19.91	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

a. -2 _φ (s)	3	0%
b. -2 _φ to -1 _φ (s)	3	3%
c. -1 _φ to 0 _φ (s)	5	6%
d. 0 _φ to 1 _φ (s)	6	0%
e. 1 _φ to 2 _φ (s)	8	0%
f. 2 _φ to 3 _φ (s)	9	
g. 3 _φ to 4 _φ (s)	6	
h. 4 _φ to 5 _φ (s)	8	
i. 5 _φ to 6 _φ (s)	8	
j. > 6 _φ (s)	28	
20. DISAMPLE DRY WEIGHT (gm)	19.91	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand, silt and clay	

a. -2 _φ (s)		0%
b. -2 _φ to -1 _φ (s)		3%
c. -1 _φ to 0 _φ (s)		1%
d. 0 _φ to 1 _φ (s)		0%
e. 1 _φ to 2 _φ (s)		3%
f. 2 _φ to 3 _φ (s)		8%
g. 3 _φ to 4 _φ (s)		18%
h. 4 _φ to 5 _φ (s)		19%
i. 5 _φ to 6 _φ (s)		24%
j. > 6 _φ (s)		27%
20. DISAMPLE DRY WEIGHT (gm)		19.44
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand, silt and clay	

12. DGR	
13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. -2 _φ (s)	3	0%
b. -2 _φ to -1 _φ (s)	3	3%
c. -1 _φ to 0 _φ (s)	5	6%
d. 0 _φ to 1 _φ (s)	6	0%
e. 1 _φ to 2 _φ (s)	8	0%
f. 2 _φ to 3 _φ (s)	9	
g. 3 _φ to 4 _φ (s)	6	
h. 4 _φ to 5 _φ (s)	8	
i. 5 _φ to 6 _φ (s)	8	
j. > 6 _φ (s)	28	
20. DISAMPLE DRY WEIGHT (gm)	19.91	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

a. -2 _φ (s)	3	0%
b. -2 _φ to -1 _φ (s)	3	3%
c. -1 _φ to 0 _φ (s)	5	6%
d. 0 _φ to 1 _φ (s)	6	0%
e. 1 _φ to 2 _φ (s)	8	0%
f. 2 _φ to 3 _φ (s)	9	
g. 3 _φ to 4 _φ (s)	6	
h. 4 _φ to 5 _φ (s)	8	
i. 5 _φ to 6 _φ (s)	8	
j. > 6 _φ (s)	28	
20. DISAMPLE DRY WEIGHT (gm)	19.91	
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand with silt, clay and some pebbles.	

a. -2 _φ (s)		0%
b. -2 _φ to -1 _φ (s)		3%
c. -1 _φ to 0 _φ (s)		1%
d. 0 _φ to 1 _φ (s)		0%
e. 1 _φ to 2 _φ (s)		3%
f. 2 _φ to 3 _φ (s)		8%
g. 3 _φ to 4 _φ (s)		18%
h. 4 _φ to 5 _φ (s)		19%
i. 5 _φ to 6 _φ (s)		24%
j. > 6 _φ (s)		27%
20. DISAMPLE DRY WEIGHT (gm)		19.44
21. SPECIFIC GRAVITY		
22. PLASTICITY	Med	
23. SHRETT-KATZMAN (mm) Shell Cn.	< 1%	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab	The sample was composed of sand, silt and clay	

Sediment Type	Sandy Mud
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Sediment Type	Sandy Mud
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Sediment Type	Sandy Mud
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Sediment Type	Silty Mud
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1. SAMPLE NUMBER	66-13-1
2. LATITUDE	44° 19' 18" N
3. LONGITUDE	68° 58' 42" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4800
6. WATER DEPTH (m.)	34.2

11. COLOR	Olive Gray 5Y4/1
12. DOOR	slightly foul
13. NET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MEDIUM PROSITY (%)	
16. MEDIUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < -2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 7.97
d. 0 _φ to 1 _φ (%)	0 _φ 5.40
e. 1 _φ to 2 _φ (%)	0 _φ
f. 2 _φ to 3 _φ (%)	1
g. 3 _φ to 4 _φ (%)	6
h. 4 _φ to 6 _φ (%)	18
i. 6 _φ to 8 _φ (%)	35
j. > 8 _φ (%)	38
20. SUSPENSE DRY WEIGHT (gm)	13.95
21. SPECIFIC (gms.)	
22. REMARKS (type, plasticity)	Low
23. SURFACE TEXTURE (mm) Shell / Co.	0
24. CONTACT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

REMARKS: Items 11-26 determined in the lab
The sample was composed of silt and
clay with some sand.

Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-14-1
2. LATITUDE	44° 20' 18" N
3. LONGITUDE	58° 56' 24" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4801
6. WATER DEPTH (m.)	32.5

11. COLOR	Olive Gray 5Y4/1
12. DOOR	
13. NET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MEDIUM PROSITY (%)	
16. MEDIUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < -2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 7.79
d. 0 _φ to 1 _φ (%)	0 _φ 6.06
e. 1 _φ to 2 _φ (%)	3
f. 2 _φ to 3 _φ (%)	19
g. 3 _φ to 4 _φ (%)	35
h. 4 _φ to 6 _φ (%)	41
i. 6 _φ to 8 _φ (%)	15.58
j. > 8 _φ (%)	
20. SUSPENSE DRY WEIGHT (gm)	
21. SPECIFIC (gms.)	
22. REMARKS (type, plasticity)	Low
23. SURFACE TEXTURE (mm) Shell / Co.	0
24. CONTACT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

REMARKS: Items 11-26 determined in the lab
The sample was composed of silt and
clay with some sand.

Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-15-1
2. LATITUDE	44° 21' 30" N
3. LONGITUDE	58° 56' 06" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4802
6. WATER DEPTH (m.)	26.7

11. COLOR	Olive Gray 5Y4/1
12. DOOR	
13. NET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MEDIUM PROSITY (%)	
16. MEDIUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < -2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 8.57
d. 0 _φ to 1 _φ (%)	0 _φ 6.60
e. 1 _φ to 2 _φ (%)	2
f. 2 _φ to 3 _φ (%)	16
g. 3 _φ to 4 _φ (%)	38
h. 4 _φ to 6 _φ (%)	44
i. 6 _φ to 8 _φ (%)	12.76
j. > 8 _φ (%)	
20. SUSPENSE DRY WEIGHT (gm)	
21. SPECIFIC (gms.)	
22. REMARKS (type, plasticity)	Med
23. SURFACE TEXTURE (mm) Shell / Co.	0
24. CONTACT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

REMARKS: Items 11-26 determined in the lab
The sample was composed of silt and
clay.

Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-16-1
2. LATITUDE	44° 22' 42" N
3. LONGITUDE	68° 55' 54" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4803
6. WATER DEPTH (m.)	21.8

11. COLOR	Olive Gray 5Y4/1
12. DOOR	slightly foul
13. NET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MEDIUM PROSITY (%)	
16. MEDIUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < -2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 8.15
d. 0 _φ to 1 _φ (%)	0 _φ 7.29
e. 1 _φ to 2 _φ (%)	2
f. 2 _φ to 3 _φ (%)	9
g. 3 _φ to 4 _φ (%)	44
h. 4 _φ to 6 _φ (%)	45
i. 6 _φ to 8 _φ (%)	12.09
j. > 8 _φ (%)	
20. SUSPENSE DRY WEIGHT (gm)	
21. SPECIFIC (gms.)	
22. REMARKS (type, plasticity)	Low
23. SURFACE TEXTURE (mm) Shell / Co.	0
24. CONTACT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

REMARKS: Items 11-26 determined in the lab

Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-17-1
2. LATITUDE	44° 23' 54" N
3. LONGITUDE	68° 53' 24" W
4. DATE (day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4804
6. WATER DEPTH (m.)	15.8
11. COLOR	Olive Gray 574/1 slightly foul
12. ODR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDNESS (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2, (s)	OD ₀
b. -2 ₀ to -1 ₀ (s)	3 ₀
c. -1 ₀ to 0 ₀ (s)	M ₀ 874
d. 0 ₀ to 1 ₀ (s)	0 720
e. 1 ₀ to 2 ₀ (s)	3
f. 2 ₀ to 3 ₀ (s)	
g. 3 ₀ to 4 ₀ (s)	q
h. 4 ₀ to 6 ₀ (s)	43
i. 6 ₀ to 8 ₀ (s)	45
j. > 8 ₀ (s)	
20. SUBSAMPLE DRY WEIGHT (gm)	1056
21. SPECIFIC (exp.)	
22. apparent-true plasticity	Lo w
23. shrinkage-true plasticity	0
24. DIAMANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab.	

1. SAMPLE NUMBER	66-18-1
2. LATITUDE	44° 25' 06" N
3. LONGITUDE	68° 54' 54" W
4. DATE (day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4805
6. WATER DEPTH (m.)	10
11. COLOR	Olive Gray 574/1
12. ODR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDNESS (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2, (s)	OD ₀
b. -2 ₀ to -1 ₀ (s)	3 ₀
c. -1 ₀ to 0 ₀ (s)	M ₀ 874
d. 0 ₀ to 1 ₀ (s)	0 783
e. 1 ₀ to 2 ₀ (s)	2
f. 2 ₀ to 3 ₀ (s)	
g. 3 ₀ to 4 ₀ (s)	q
h. 4 ₀ to 6 ₀ (s)	8
i. 6 ₀ to 8 ₀ (s)	45
j. > 8 ₀ (s)	45
20. SUBSAMPLE DRY WEIGHT (gm)	1285
21. SPECIFIC (exp.)	
22. apparent-true plasticity	Lo w
23. shrinkage-true plasticity	0
24. DIAMANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab.	

1. SAMPLE NUMBER	66-19-1
2. LATITUDE	44° 24' 30" N
3. LONGITUDE	68° 53' 48" W
4. DATE (day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4806
6. WATER DEPTH (m.)	10.8
11. COLOR	Olive Gray 574/1
12. ODR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDNESS (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2, (s)	OD ₀
b. -2 ₀ to -1 ₀ (s)	3
c. -1 ₀ to 0 ₀ (s)	M ₀ 863
d. 0 ₀ to 1 ₀ (s)	0 718
e. 1 ₀ to 2 ₀ (s)	1
f. 2 ₀ to 3 ₀ (s)	
g. 3 ₀ to 4 ₀ (s)	q
h. 4 ₀ to 6 ₀ (s)	
i. 6 ₀ to 8 ₀ (s)	45
j. > 8 ₀ (s)	40
20. SUBSAMPLE DRY WEIGHT (gm)	1221
21. SPECIFIC (exp.)	
22. apparent-true plasticity	Med
23. shrinkage-true plasticity	212
24. DIAMANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab.	

1. SAMPLE NUMBER	66-20-1
2. LATITUDE	44° 23' 54" N
3. LONGITUDE	68° 52' 36" W
4. DATE (day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4807
6. WATER DEPTH (m.)	11.7
11. COLOR	Olive Gray 574/1 slightly foul
12. ODR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDNESS (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2, (s)	OD ₀
b. -2 ₀ to -1 ₀ (s)	3 ₀
c. -1 ₀ to 0 ₀ (s)	M ₀ 844
d. 0 ₀ to 1 ₀ (s)	0 676
e. 1 ₀ to 2 ₀ (s)	3
f. 2 ₀ to 3 ₀ (s)	
g. 3 ₀ to 4 ₀ (s)	13
h. 4 ₀ to 6 ₀ (s)	43
i. 6 ₀ to 8 ₀ (s)	
j. > 8 ₀ (s)	41
20. SUBSAMPLE DRY WEIGHT (gm)	1070
21. SPECIFIC (exp.)	
22. apparent-true plasticity	Lo w
23. shrinkage-true plasticity	0
24. DIAMANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab.	

Sediment Type Clayey Silt

Sediment Type Clayey Silt

Sediment Type Clayey Silt

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-22-1
2. LATITUDE	44° 23' 24" N
3. LONGITUDE	68° 51' 30" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4808
6. WATER DEPTH (m.)	175
11. COLOR	Olive Gray 5/4H
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RESIDUE (m)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 8.48
d. 0 _φ to 1 _φ (%)	0 _φ 6.70
e. 1 _φ to 2 _φ (%)	2
f. 2 _φ to 3 _φ (%)	
g. 3 _φ to 4 _φ (%)	14
h. 4 _φ to 6 _φ (%)	
i. 6 _φ to 8 _φ (%)	42
j. > 8 _φ (%)	42
20. SUBSAMPLE DRY WEIGHT (m)	11.64
21. SPECIFIC (w/v)	
22. SHIMMERTON Plasticity	Med
23. SHIMMERTON Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-22-1
2. LATITUDE	44° 22' 54" N
3. LONGITUDE	68° 50' 30" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4809
6. WATER DEPTH (m.)	250
11. COLOR	Olive Gray 5/4H
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RESIDUE (m)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 8.66
d. 0 _φ to 1 _φ (%)	0 _φ 6.84
e. 1 _φ to 2 _φ (%)	4
f. 2 _φ to 3 _φ (%)	
g. 3 _φ to 4 _φ (%)	
h. 4 _φ to 6 _φ (%)	12
i. 6 _φ to 8 _φ (%)	39
j. > 8 _φ (%)	45
20. SUBSAMPLE DRY WEIGHT (m)	13.48
21. SPECIFIC (w/v)	
22. SHIMMERTON Plasticity	Med
23. SHIMMERTON Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-23-1
2. LATITUDE	44° 21' 54" N
3. LONGITUDE	68° 50' 42" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4810
6. WATER DEPTH (m.)	237
11. COLOR	Olive Gray 5/4H
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RESIDUE (m)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 8.38
d. 0 _φ to 1 _φ (%)	0 _φ 6.65
e. 1 _φ to 2 _φ (%)	3
f. 2 _φ to 3 _φ (%)	
g. 3 _φ to 4 _φ (%)	
h. 4 _φ to 6 _φ (%)	14
i. 6 _φ to 8 _φ (%)	43
j. > 8 _φ (%)	40
20. SUBSAMPLE DRY WEIGHT (m)	12.87
21. SPECIFIC (w/v)	
22. SHIMMERTON Plasticity	Low
23. SHIMMERTON Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-24-1
2. LATITUDE	44° 21' 00" N
3. LONGITUDE	68° 51' 00" W
4. DATE (Day, month, year)	5 August 1959
5. LABORATORY NUMBERS	4811
6. WATER DEPTH (m.)	300
11. COLOR	Olive Gray 5/4H
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RESIDUE (m)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	SK _φ
c. -1 _φ to 0 _φ (%)	M _φ 8.12
d. 0 _φ to 1 _φ (%)	1
e. 1 _φ to 2 _φ (%)	1
f. 2 _φ to 3 _φ (%)	3
g. 3 _φ to 4 _φ (%)	7
h. 4 _φ to 6 _φ (%)	12
i. 6 _φ to 8 _φ (%)	39
j. > 8 _φ (%)	38
20. SUBSAMPLE DRY WEIGHT (m)	12.82
21. SPECIFIC (w/v)	
22. SHIMMERTON Plasticity	Med
23. SHIMMERTON Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Sediment Type Clayey Silt

The sample was composed of silt and clay with some sand.

1. SAMPLE NUMBER	66-26-1
2. LATITUDE	44° 19' 53" N
3. LONGITUDE	68° 51' 06" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	4812
6. WATER DEPTH (m.)	175
11. COLOR	Olive Gray 5441
12. DGR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < 2 ₅₀ (%)	1	0 ₂₅ 2.89
b. -2 ₅₀ to -1 ₅₀ (%)	1	5 ₂₅ 40.10
c. -1 ₅₀ to 0 ₅₀ (%)	2	10 ₂₅ 6.4
d. 0 ₅₀ to 1 ₅₀ (%)	4	0 ₂₅ 3.35
e. 1 ₅₀ to 2 ₅₀ (%)	6	0 ₂₅ 9.18
f. 2 ₅₀ to 3 ₅₀ (%)	7	
g. 3 ₅₀ to 4 ₅₀ (%)	14	
h. 4 ₅₀ to 6 ₅₀ (%)	14	
i. 6 ₅₀ to 8 ₅₀ (%)	25	
j. > 8 ₅₀ (%)	86	
20. DISAMPLE DRY WEIGHT (gm)		25.01
21. SPECIFICITY (exp.)		
22. PLASTICITY (exp.)		
23. SHRECK-TESTING (exp.)		
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS	Items 11-26 determined in the lab	

The sample was composed of sand, silt and clay.

Sediment Type	Silty Mud
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1. SAMPLE NUMBER	66-26-1
2. LATITUDE	44° 19' 00" N
3. LONGITUDE	68° 51' 30" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	4813
6. WATER DEPTH (m.)	192
11. COLOR	Olive Gray 5441
12. DGR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < 2 ₅₀ (%)	0 ₂₅	
b. -2 ₅₀ to -1 ₅₀ (%)	5 ₂₅	
c. -1 ₅₀ to 0 ₅₀ (%)	10 ₂₅ 8.63	
d. 0 ₅₀ to 1 ₅₀ (%)	0 ₂₅ 6.92	
e. 1 ₅₀ to 2 ₅₀ (%)	1	
f. 2 ₅₀ to 3 ₅₀ (%)		
g. 3 ₅₀ to 4 ₅₀ (%)		
h. 4 ₅₀ to 6 ₅₀ (%)	13	
i. 6 ₅₀ to 8 ₅₀ (%)	42	
j. > 8 ₅₀ (%)	43	
20. DISAMPLE DRY WEIGHT (gm)		13.03
21. SPECIFICITY (exp.)		
22. PLASTICITY (exp.)		Low
23. SHRECK-TESTING (exp.)		0
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS	Items 11-26 determined in the lab	

Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-27-1
2. LATITUDE	44° 18' 00" N
3. LONGITUDE	68° 51' 48" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	4814
6. WATER DEPTH (m.)	300
11. COLOR	Olive Gray 5441
12. DGR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < -2 ₅₀ (%)	0 ₂₅	
b. -2 ₅₀ to -1 ₅₀ (%)	5 ₂₅	
c. -1 ₅₀ to 0 ₅₀ (%)	10 ₂₅ 8.63	
d. 0 ₅₀ to 1 ₅₀ (%)	0 ₂₅ 6.74	
e. 1 ₅₀ to 2 ₅₀ (%)	3	
f. 2 ₅₀ to 3 ₅₀ (%)		
g. 3 ₅₀ to 4 ₅₀ (%)		
h. 4 ₅₀ to 6 ₅₀ (%)	14	
i. 6 ₅₀ to 8 ₅₀ (%)	38	
j. > 8 ₅₀ (%)	45	
20. DISAMPLE DRY WEIGHT (gm)		12.76
21. SPECIFICITY (exp.)		
22. PLASTICITY (exp.)		Med
23. SHRECK-TESTING (exp.)		0
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS	Items 11-26 determined in the lab	

Sediment Type	Clayey Silt
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1. SAMPLE NUMBER	66-28-1
2. LATITUDE	44° 16' 48" N
3. LONGITUDE	68° 52' 06" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	4816
6. WATER DEPTH (m.)	282
11. COLOR	Olive Gray 5441
12. DGR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. < 2 ₅₀ (%)	75	0 ₂₅
b. -2 ₅₀ to -1 ₅₀ (%)	1	5 ₂₅
c. -1 ₅₀ to 0 ₅₀ (%)	1	10 ₂₅
d. 0 ₅₀ to 1 ₅₀ (%)	0	0 ₂₅
e. 1 ₅₀ to 2 ₅₀ (%)	2	0 ₂₅
f. 2 ₅₀ to 3 ₅₀ (%)	5	
g. 3 ₅₀ to 4 ₅₀ (%)	3	
h. 4 ₅₀ to 6 ₅₀ (%)		
i. 6 ₅₀ to 8 ₅₀ (%)	12	
j. > 8 ₅₀ (%)		
20. DISAMPLE DRY WEIGHT (gm)	40.41	
21. SPECIFICITY (exp.)		
22. PLASTICITY (exp.)	None	
23. SHRECK-TESTING (exp.)	0	
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS	Items 11-26 determined in the lab	

The sample was composed of pebbles with some mud.

Sediment Type	Gravelly mud
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1. SAMPLE NUMBER	66-30-1
2. LATITUDE	44° 14' 22" N
3. LONGITUDE	68° 52' 36" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4817

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{1-2} (%)	0.0
b. ϕ_{2-4} to ϕ_{1-2} (%)	5.0
c. ϕ_{1-2} to $\phi_{0.5}$ (%)	8.80
d. $\phi_{0.5}$ to ϕ_{1-2} (%)	0.1
e. ϕ_{1-2} to ϕ_{1-2} (%)	0.0
f. ϕ_{2-4} to $\phi_{0.5}$ (%)	13
h. $\phi_{0.5}$ to ϕ_{1-2} (%)	39
i. ϕ_{1-2} to ϕ_{1-2} (%)	47
j. ϕ_{1-2} (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	11.33
21. SPECIFICITY (avg.)	
22. Plasticity Plasticity	Low
23. Plasticity Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-30-1
2. LATITUDE	44° 15' 24" N
3. LONGITUDE	68° 52' 30" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4816

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{1-2} (%)	0.0
b. ϕ_{2-4} to ϕ_{1-2} (%)	1.04
c. ϕ_{1-2} to $\phi_{0.5}$ (%)	5.24
d. $\phi_{0.5}$ to ϕ_{1-2} (%)	2
e. ϕ_{1-2} to ϕ_{1-2} (%)	4
h. $\phi_{0.5}$ to ϕ_{1-2} (%)	Trace
i. ϕ_{1-2} to ϕ_{1-2} (%)	27
j. ϕ_{1-2} (%)	34
k. ϕ_{1-2} (%)	31
20. SUBSAMPLE DRY WEIGHT (gm)	12.49
21. SPECIFICITY (avg.)	
22. Plasticity Plasticity	Med
23. Plasticity Plasticity	< 1%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-30-1
2. LATITUDE	44° 15' 24" N
3. LONGITUDE	68° 52' 30" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4816

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

1. SAMPLE NUMBER	66-30-1
2. LATITUDE	44° 12' 42" N
3. LONGITUDE	68° 54' 30" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4819

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{1-2} (%)	0.0
b. ϕ_{2-4} to ϕ_{1-2} (%)	5.0
c. ϕ_{1-2} to $\phi_{0.5}$ (%)	8.65
d. $\phi_{0.5}$ to ϕ_{1-2} (%)	0.1
e. ϕ_{1-2} to ϕ_{1-2} (%)	0.0
f. ϕ_{2-4} to $\phi_{0.5}$ (%)	16
h. $\phi_{0.5}$ to ϕ_{1-2} (%)	40
i. ϕ_{1-2} to ϕ_{1-2} (%)	42
j. ϕ_{1-2} (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	13.62
21. SPECIFICITY (avg.)	
22. Plasticity Plasticity	Med
23. Plasticity Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-30-1
2. LATITUDE	44° 13' 36" N
3. LONGITUDE	68° 53' 48" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4818

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{1-2} (%)	0.0
b. ϕ_{2-4} to ϕ_{1-2} (%)	5.0
c. ϕ_{1-2} to $\phi_{0.5}$ (%)	8.69
d. $\phi_{0.5}$ to ϕ_{1-2} (%)	0.1
e. ϕ_{1-2} to ϕ_{1-2} (%)	0.0
f. ϕ_{2-4} to $\phi_{0.5}$ (%)	16
h. $\phi_{0.5}$ to ϕ_{1-2} (%)	41
i. ϕ_{1-2} to ϕ_{1-2} (%)	43
j. ϕ_{1-2} (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	14.71
21. SPECIFICITY (avg.)	
22. Plasticity Plasticity	Med
23. Plasticity Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-30-1
2. LATITUDE	44° 13' 36" N
3. LONGITUDE	68° 53' 48" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4818

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

1. SAMPLE NUMBER	66-29-1
2. LATITUDE	44° 15' 24" N
3. LONGITUDE	68° 52' 30" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4816

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{1-2} (%)	0.0
b. ϕ_{2-4} to ϕ_{1-2} (%)	1.04
c. ϕ_{1-2} to $\phi_{0.5}$ (%)	5.24
d. $\phi_{0.5}$ to ϕ_{1-2} (%)	2
e. ϕ_{1-2} to ϕ_{1-2} (%)	4
h. $\phi_{0.5}$ to ϕ_{1-2} (%)	Trace
i. ϕ_{1-2} to ϕ_{1-2} (%)	27
j. ϕ_{1-2} (%)	34
k. ϕ_{1-2} (%)	31
20. SUBSAMPLE DRY WEIGHT (gm)	12.49
21. SPECIFICITY (avg.)	
22. Plasticity Plasticity	Med
23. Plasticity Plasticity	< 1%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-29-1
2. LATITUDE	44° 15' 24" N
3. LONGITUDE	68° 52' 30" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4816

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{1-2} (%)	0.0
b. ϕ_{2-4} to ϕ_{1-2} (%)	1.04
c. ϕ_{1-2} to $\phi_{0.5}$ (%)	5.24
d. $\phi_{0.5}$ to ϕ_{1-2} (%)	2
e. ϕ_{1-2} to ϕ_{1-2} (%)	4
h. $\phi_{0.5}$ to ϕ_{1-2} (%)	Trace
i. ϕ_{1-2} to ϕ_{1-2} (%)	27
j. ϕ_{1-2} (%)	34
k. ϕ_{1-2} (%)	31
20. SUBSAMPLE DRY WEIGHT (gm)	12.49
21. SPECIFICITY (avg.)	
22. Plasticity Plasticity	Med
23. Plasticity Plasticity	< 1%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-29-1
2. LATITUDE	44° 15' 24" N
3. LONGITUDE	68° 52' 30" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	
6. WATER DEPTH (m.)	4816

11. COLOR	Olive Gray 5/4/1
12. DOOR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

1. SAMPLE NUMBER	66-33-1
2. LATITUDE	44° 11' 48" N
3. LONGITUDE	68° 55' 01" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	4820
6. WATER DEPTH (m.)	31.7
11. COLOR	Olive Gray 574/11
12. DOOR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDORSE (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $\bar{x} \pm 2s$ (%)	OD ₅₀
b. $\bar{x} \pm 2s$ to \bar{x}_p (%)	SD ₅₀
c. \bar{x}_p to 0 _p (%)	ME ₅₀ 8.28
d. 0 _p to 1 _p (%)	01 ₅₀ 618
e. 1 _p to 2 _p (%)	03 ₅₀
f. 2 _p to 3 _p (%)	3
g. 3 _p to 4 _p (%)	
h. 4 _p to 5 _p (%)	20
i. 5 _p to 6 _p (%)	36
j. $\bar{x} > \bar{q}_p$ (%)	41
20. SUBSAMPLE DRY WEIGHT (gm)	13.33
21. SPECIFIC (g/cc)	
22. POROSITY (cm ³ /cm ³)	High
23. SHAPE-TEXTURE (cm ³ /cm ³)	Shell Co.
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-34-1
2. LATITUDE	44° 10' 48" N
3. LONGITUDE	68° 56' 00" W
4. DATE (Day, month, year)	5 August 1969
5. LABORATORY NUMBERS	4826
6. WATER DEPTH (m.)	30.8
11. COLOR	Olive Gray 574/11
12. DOOR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDORSE (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $\bar{x} \pm 2s$ (%)	OD ₅₀
b. $\bar{x} \pm 2s$ to \bar{x}_p (%)	SD ₅₀
c. \bar{x}_p to 0 _p (%)	ME ₅₀ 8.65
d. 0 _p to 1 _p (%)	01 ₅₀ 658
e. 1 _p to 2 _p (%)	03 ₅₀
f. 2 _p to 3 _p (%)	1
g. 3 _p to 4 _p (%)	
h. 4 _p to 5 _p (%)	18
i. 5 _p to 6 _p (%)	37
j. $\bar{x} > \bar{q}_p$ (%)	44
20. SUBSAMPLE DRY WEIGHT (gm)	10.58
21. SPECIFIC (g/cc)	
22. POROSITY (cm ³ /cm ³)	Med
23. SHAPE-TEXTURE (cm ³ /cm ³)	Shell Co.
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-35-1
2. LATITUDE	44° 09' 54" N
3. LONGITUDE	68° 56' 36" W
4. DATE (Day, month, year)	10 August 1969
5. LABORATORY NUMBERS	4821
6. WATER DEPTH (m.)	30.8
11. COLOR	Olive Gray 574/11
12. DOOR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDORSE (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $\bar{x} \pm 2s$ (%)	OD ₅₀
b. $\bar{x} \pm 2s$ to \bar{x}_p (%)	SD ₅₀
c. \bar{x}_p to 0 _p (%)	ME ₅₀ 8.36
d. 0 _p to 1 _p (%)	01 ₅₀ 660
e. 1 _p to 2 _p (%)	03 ₅₀
f. 2 _p to 3 _p (%)	1
g. 3 _p to 4 _p (%)	
h. 4 _p to 5 _p (%)	18
i. 5 _p to 6 _p (%)	40
j. $\bar{x} > \bar{q}_p$ (%)	41
20. SUBSAMPLE DRY WEIGHT (gm)	13.74
21. SPECIFIC (g/cc)	
22. POROSITY (cm ³ /cm ³)	Med
23. SHAPE-TEXTURE (cm ³ /cm ³)	Shell Co.
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-36-1
2. LATITUDE	44° 09' 00" N
3. LONGITUDE	68° 57' 18" W
4. DATE (Day, month, year)	10 August 1969
5. LABORATORY NUMBERS	4822
6. WATER DEPTH (m.)	44.8
11. COLOR	Olive Gray 574/11
12. DOOR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDORSE (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $\bar{x} \pm 2s$ (%)	OD ₅₀
b. $\bar{x} \pm 2s$ to \bar{x}_p (%)	SD ₅₀
c. \bar{x}_p to 0 _p (%)	ME ₅₀ 190
d. 0 _p to 1 _p (%)	01 ₅₀ 570
e. 1 _p to 2 _p (%)	03 ₅₀
f. 2 _p to 3 _p (%)	3
g. 3 _p to 4 _p (%)	
h. 4 _p to 5 _p (%)	26
i. 5 _p to 6 _p (%)	32
j. $\bar{x} > \bar{q}_p$ (%)	39
20. SUBSAMPLE DRY WEIGHT (gm)	13.71
21. SPECIFIC (g/cc)	
22. POROSITY (cm ³ /cm ³)	Med
23. SHAPE-TEXTURE (cm ³ /cm ³)	Shell Co.
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-37-1
2. LATITUDE	44 08 06 N
3. LONGITUDE	68 57 54 W
4. DATE (day, month, year)	10 August 1959
5. LABORATORY NUMBERS	4828

6. WATER DEPTH (m.)	40.8
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11. COLOR Olive Black 5211

12. DOOR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MEDIUM PROSPECT (%)	
16. MINIMUM PROSPECT (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2 ₅ (%)	00 ₀
b. -2 ₅ to -1 ₆ (%)	SK ₂
c. -1 ₆ to 0 ₀ (%)	MC. 8.17
d. 0 ₀ to 1 ₆ (%)	01 ₀ 6.00
e. 1 ₆ to 2 ₅ (%)	01 ₀
f. 2 ₅ to 3 ₂ (%)	1
g. 3 ₂ to 5 ₀ (%)	q
h. 5 ₀ to 6 ₀ (%)	21
i. 6 ₀ to 7 ₅ (%)	35
j. > 7 ₅ (%)	40
20. SUBSAMPLE DRY WEIGHT (gm)	11.51
21. SPECIFIC (D _W)	
22. PLASTICITY (LOW) Plasticity	Low
23. STRENGTH-TEXTURE (LOW) Shell Cn.	< 1/2
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

The sample was composed of silt and Clay with some sand.

* With dark streaks

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-38-1
2. LATITUDE	44 07 18 N
3. LONGITUDE	68 58 36 W
4. DATE (day, month, year)	10 August 1959
5. LABORATORY NUMBERS	4828

6. WATER DEPTH (m.)	39.2
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11. COLOR Olive Gray 5341

12. DOOR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MEDIUM PROSPECT (%)	
16. MINIMUM PROSPECT (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2 ₅ (%)	00 ₀
b. -2 ₅ to -1 ₆ (%)	SK ₂
c. -1 ₆ to 0 ₀ (%)	MC. 7.34
d. 0 ₀ to 1 ₆ (%)	01 ₀ 5.00
e. 1 ₆ to 2 ₅ (%)	00 ₀
f. 2 ₅ to 3 ₂ (%)	1
g. 3 ₂ to 5 ₀ (%)	q
h. 5 ₀ to 6 ₀ (%)	20
i. 6 ₀ to 7 ₅ (%)	27
j. > 7 ₅ (%)	36
20. SUBSAMPLE DRY WEIGHT (gm)	13.90
21. SPECIFIC (D _W)	
22. PLASTICITY (LOW) Plasticity	High
23. STRENGTH-TEXTURE (LOW) Shell Cn.	< 1/2
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

The sample was composed of silt and Clay with some sand.

* With dark streaks

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-39-1
2. LATITUDE	44 06 18 N
3. LONGITUDE	68 59 24 W
4. DATE (day, month, year)	10 August 1959
5. LABORATORY NUMBERS	4828

6. WATER DEPTH (m.)	46.0
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11. COLOR Olive Gray 5341

12. DOOR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MEDIUM PROSPECT (%)	
16. MINIMUM PROSPECT (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2 ₅ (%)	00 ₀ 2.30
b. -2 ₅ to -1 ₆ (%)	SK ₂ 56.1 0.98
c. -1 ₆ to 0 ₀ (%)	MC. 5.27
d. 0 ₀ to 1 ₆ (%)	01 ₀ 3.40
e. 1 ₆ to 2 ₅ (%)	00 ₀ 9.00
f. 2 ₅ to 3 ₂ (%)	8
g. 3 ₂ to 5 ₀ (%)	28
h. 5 ₀ to 6 ₀ (%)	20
i. 6 ₀ to 7 ₅ (%)	18
j. > 7 ₅ (%)	25
20. SUBSAMPLE DRY WEIGHT (gm)	19.04
21. SPECIFIC (D _W)	
22. PLASTICITY (LOW) Plasticity	Med
23. STRENGTH-TEXTURE (LOW) Shell Cn.	< 1/2
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

The sample was composed of sand, silt and clay.

Sediment Type Silty Mud

1. SAMPLE NUMBER	66-40-1
2. LATITUDE	43 58 30 N
3. LONGITUDE	69 05 18 W
4. DATE (day, month, year)	14 August 1959
5. LABORATORY NUMBERS	4828

6. WATER DEPTH (m.)	20.8
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11. COLOR Olive Gray 5341

12. DOOR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MEDIUM PROSPECT (%)	
16. MINIMUM PROSPECT (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2 ₅ (%)	75
b. -2 ₅ to -1 ₆ (%)	3
c. -1 ₆ to 0 ₀ (%)	3
d. 0 ₀ to 1 ₆ (%)	5
e. 1 ₆ to 2 ₅ (%)	7
f. 2 ₅ to 3 ₂ (%)	5
g. 3 ₂ to 5 ₀ (%)	1
h. 5 ₀ to 6 ₀ (%)	1
i. 6 ₀ to 7 ₅ (%)	1
j. > 7 ₅ (%)	1
20. SUBSAMPLE DRY WEIGHT (gm)	58.40
21. SPECIFIC (D _W)	
22. PLASTICITY (LOW) Plasticity	None
23. STRENGTH-TEXTURE (LOW) Shell Cn.	1/2
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

1. SAMPLE NUMBER	66-6-1
2. LATITUDE	44° 14' 35" N
3. LONGITUDE	69° 00' 10" W
4. DATE (Day, month, year)	13 August 1969
5. LABORATORY NUMBERS	4827
6. WATER DEPTH (m.)	17.5
11. COLOR	Olive Gray 5/4/1

12. ODSR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
$\Sigma x_i < 2\phi$ (%)	7
$\Sigma x_i < 2\phi$ to -1ϕ (%)	9
$\Sigma x_i < -1\phi$ to ϕ_0 (%)	10
$\Sigma x_i < 0$ to 1ϕ (%)	12
$\Sigma x_i < 1\phi$ to 2ϕ (%)	17
$\Sigma x_i < 2\phi$ to 3ϕ (%)	13
$\Sigma x_i < 3\phi$ to 4ϕ (%)	2
$\Sigma x_i < 4\phi$ to 5ϕ (%)	4
$\Sigma x_i < 5\phi$ to 6ϕ (%)	11
$\Sigma x_i < 6\phi$ (%)	14
20. SUBSAMPLE DRY WEIGHT (gm)	19.20
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	Med
23. SUBS PLASTICITY TEMP 56/11 GM	19
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab
The sample was composed of sand
with silty clay and some pebbles.

Sediment Type	Silty Sand
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1. SAMPLE NUMBER	66-H-1
2. LATITUDE	44° 14' 27" N
3. LONGITUDE	69° 00' 14" W
4. DATE (Day, month, year)	13 August 1969
5. LABORATORY NUMBERS	4828
6. WATER DEPTH (m.)	22.6
11. COLOR	Olive Gray 5/4/1

12. ODSR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
$\Sigma x_i < 2\phi$ (%)	4
$\Sigma x_i < 2\phi$ to -1ϕ (%)	5
$\Sigma x_i < -1\phi$ to ϕ_0 (%)	2
$\Sigma x_i < 0$ to 1ϕ (%)	3
$\Sigma x_i < 1\phi$ to 2ϕ (%)	4
$\Sigma x_i < 2\phi$ to 3ϕ (%)	8
$\Sigma x_i < 3\phi$ to 4ϕ (%)	25
$\Sigma x_i < 4\phi$ to 5ϕ (%)	10
$\Sigma x_i < 5\phi$ to 6ϕ (%)	19
$\Sigma x_i < 6\phi$ (%)	20
20. SUBSAMPLE DRY WEIGHT (gm)	16.52
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	Med
23. SUBS PLASTICITY TEMP 56/11 GM	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab
The sample was composed of sand
with silty clay and some pebbles.

Sediment Type	Sandy Mud
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1. SAMPLE NUMBER	66-43-1
2. LATITUDE	43° 44' 52" N
3. LONGITUDE	69° 19' 15" W
4. DATE (Day, month, year)	6 August 1969
5. LABORATORY NUMBERS	4857
6. WATER DEPTH (m.)	42.6
11. COLOR	Dark Yellowish Brown 10YR 4/2

12. ODSR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
$\Sigma x_i < 2\phi$ (%)	8
$\Sigma x_i < 2\phi$ to -1ϕ (%)	4
$\Sigma x_i < -1\phi$ to ϕ_0 (%)	5
$\Sigma x_i < 0$ to 1ϕ (%)	6
$\Sigma x_i < 1\phi$ to 2ϕ (%)	12
$\Sigma x_i < 2\phi$ to 3ϕ (%)	18
$\Sigma x_i < 3\phi$ to 4ϕ (%)	7
$\Sigma x_i < 4\phi$ to 5ϕ (%)	6
$\Sigma x_i < 5\phi$ to 6ϕ (%)	14
$\Sigma x_i < 6\phi$ (%)	20
20. SUBSAMPLE DRY WEIGHT (gm)	26.52
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	Low
23. SUBS PLASTICITY TEMP 56/11 GM	15.9
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Sandy Mud
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1. SAMPLE NUMBER	66-70-1
2. LATITUDE	43° 45' 21" N
3. LONGITUDE	69° 16' 41" W
4. DATE (Day, month, year)	6 August 1969
5. LABORATORY NUMBERS	4858
6. WATER DEPTH (m.)	43.3
11. COLOR	Dark Yellowish Brown 10YR 4/2

12. ODSR	
13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
$\Sigma x_i < 2\phi$ (%)	40
$\Sigma x_i < 2\phi$ to -1ϕ (%)	13
$\Sigma x_i < -1\phi$ to ϕ_0 (%)	10
$\Sigma x_i < 0$ to 1ϕ (%)	10
$\Sigma x_i < 1\phi$ to 2ϕ (%)	9
$\Sigma x_i < 2\phi$ to 3ϕ (%)	6
$\Sigma x_i < 3\phi$ to 4ϕ (%)	2
$\Sigma x_i < 4\phi$ to 5ϕ (%)	2
$\Sigma x_i < 5\phi$ to 6ϕ (%)	4
$\Sigma x_i < 6\phi$ (%)	5
20. SUBSAMPLE DRY WEIGHT (gm)	44.11
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	Med
23. SUBS PLASTICITY TEMP 56/11 GM	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Pebbly Sand
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1. SAMPLE NUMBER	66-91-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	43° 58' N	5. WATER DEPTH (m.)	14.5
3. LONGITUDE	69° 01' W	7. CORE LENGTH (m.)	2.7
4. DATE (day, month, year)	2 SEPT. 1959	8. CORE PENETRATION (m.)	40
5. LABORATORY NUMBERS	3596		
10. SUBSAMPLE DEPTH IN CORE (m.)	17-21	3597	3598
11. COLOR	GRAYISH BLACK	21-23	25-27
	GREENISH BLACK		DARK GREENISH GRAY
	GRAY		5 Y 4/1
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. $\Sigma < 2\phi$ (%)	00 ₂ 2.48	00 ₁ 3.08	13
b. $\Sigma < 2\phi$ to -1ϕ (%)	50 ₂ 1.24	50 ₁ 1.10	8
c. $\Sigma < 2\phi$ to 0ϕ (%)	10 ₂ 4.00	10 ₁ 3.64	9
d. 0ϕ to 1ϕ (%)	01 ₂ 2.70	01 ₁ 1.65	6
e. 1ϕ to 2ϕ (%)	02 ₂ 7.72	02 ₁ 7.82	6
f. 2ϕ to 3ϕ (%)	21	13	6
g. 3ϕ to 4ϕ (%)	20	9	4
h. 4ϕ to 6ϕ (%)	17	13	3
i. 6ϕ to 9ϕ (%)	12	14	13
j. $> 9\phi$ (%)	20	19	21
20. DISAMPLE DRY WEIGHT (gm)	25.16	18.60	23.92
21. SPECIFIC (avg.)			
22. BURNNESS (avg.)			
23. SUBGRADE TEXTURE (avg.)			
24. DOWHART MINERAL (%)	Low	Low	Low
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	Items 11-26 Determined in the lab. First 19" of core disturbed mud. 21-49" silt & shell 45-49" amorphous woody material.		
SEDIMENT TYPE	SANDY MUD	SILTY SAND	5% GRASSY SANDY MUD

1. SAMPLE NUMBER	66-92-1	5. SAMPLER TYPE	PALGER
2. LATITUDE	43° 56' N	5. WATER DEPTH (m.)	21.7
3. LONGITUDE	69° 10' W	7. CORE LENGTH (m.)	12
4. DATE (day, month, year)	2 SEPTEMBER 1959	8. CORE PENETRATION (m.)	50
5. LABORATORY NUMBERS	3709		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	3710	3711
11. COLOR	DARK GREENISH GRAY	5 Y 4/1	GREEN (5.6Y 4/6)
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. $\Sigma < 2\phi$ (%)	00 ₂	00 ₁	00 ₀
b. $\Sigma < 2\phi$ to -1ϕ (%)	50 ₂	50 ₁	50 ₀
c. $\Sigma < 2\phi$ to 0ϕ (%)	10 ₂ 8.67	10 ₁ 8.34	10 ₀ 7.05
d. 0ϕ to 1ϕ (%)	01 ₂ 4.77	01 ₁ 4.06	01 ₀ 5.28
e. 1ϕ to 2ϕ (%)	02 ₂	02 ₁	02 ₀
f. 2ϕ to 3ϕ (%)			
g. 3ϕ to 4ϕ (%)	13	12	9
h. 4ϕ to 6ϕ (%)	29	29	30
i. 6ϕ to 9ϕ (%)	23	24	24
j. $> 9\phi$ (%)	35	34	37
20. DISAMPLE DRY WEIGHT (gm)			
21. SPECIFIC (avg.)	17.88	24.67	22.32
22. BURNNESS (avg.)			
23. SUBGRADE TEXTURE (avg.)	Plasticity	Med.	Med.
24. DOWHART MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	Items 11-26 DETERMINED IN THE LAB. THE CORE CONTAINED SAND STREAMS AT 11 INCHES. COLOR CHANGES AT 2 & 6.		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-93-2				5. SAMPLER TYPE	KULENBERG			
2. LATITUDE	43	56	12	N	6. WATER DEPTH (m.)	21.7			
3. LONGITUDE	69	10	19	W	7. CORE LENGTH (in.)	50			
4. DATE (day, month, year)	12 SEPTEMBER 1969				8. CORE PENETRATION (in.)	92			
9. LABORATORY NUMBERS	3523				3524				
10. SUBSAMPLE DEPTH IN CORE (in.)	0-2				4-6	6-7 1/4 *			
11. COLOR	GRANISH OLIVE GREEN (567 1/2)				GRANISH OLIVE GREEN (567 3/4)	GRANISH OLIVE GREEN (567 1/4)			
12. ODR									
13. WET DENSITY (lb./ft ³)									
14. RIGIDNESS (mm)									
15. MAXIMUM POROSITY (%)									
16. MINIMUM POROSITY (%)									
17. WATER CONTENT (%)									
18. ORGANIC CARBON CONTENT (%)									
19. SIZE ANALYSIS AND STATISTICAL MEASURES									
a. < 2 ₅ (%)	0 ₂	0 ₂	0 ₂	0 ₂					
b. -2 ₅ to +4 ₅ (%)	3 ₂	3 ₂	3 ₂	3 ₂					
c. -1 ₀ to 0 ₂ (%)	4 ₂	7.23	4 ₂	4 ₂					
d. 0 ₂ to 1 ₀ (%)	1	4.97	1	4.97					
e. 1 ₀ to 2 ₅ (%)	1	0 ₂	1	0 ₂					
f. 2 ₅ to 4 ₅ (%)	1	1	1	1					
g. 4 ₅ to 6 ₂ (%)	8	7	10	8					
h. 6 ₂ to 8 ₂ (%)	27	28	31	33					
i. 8 ₂ to 10 ₂ (%)	26	27	23	24					
j. > 10 ₂ (%)	36	36	32	33					
20. SUBSAMPLE DRY WEIGHT (gm)	30.89				24.35	19.44			
21. SPECIFIC (avg.)									
22. PLASTICITY	High				High	High			
23. SHREDDING-TESTING-TEST SHELL (mm)	< 1%				< 1%	< 1%			
24. CONTAMINANT MINERAL (%)									
25. SECONDARY MINERAL (%)									
26. OTHER MINERALS (%)									
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB.								
	Scattered shell fragments throughout core.								
	Core appears uniform.								
	* Contained 1/4" black band.								

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-93-2				5. SAMPLER TYPE	DOWNED			
2. LATITUDE					6. WATER DEPTH (m.)				
3. LONGITUDE					7. CORE LENGTH (in.)				
4. DATE (day, month, year)					8. CORE PENETRATION (in.)				
9. LABORATORY NUMBERS	3525				3526	3527			
10. SUBSAMPLE DEPTH IN CORE (in.)	24-26				38-40	48-50			
11. COLOR	GRANISH OLIVE GREEN (567 3/4)				GRANISH OLIVE GREEN (567 3/4)	GRANISH OLIVE GREEN (567 3/4)			
12. ODR									
13. WET DENSITY (lb./ft ³)									
14. RIGIDNESS (mm)									
15. MAXIMUM POROSITY (%)									
16. MINIMUM POROSITY (%)									
17. WATER CONTENT (%)									
18. ORGANIC CARBON CONTENT (%)									
19. SIZE ANALYSIS AND STATISTICAL MEASURES									
a. < 2 ₅ (%)	0 ₂	0 ₂	0 ₂	0 ₂					
b. -2 ₅ to +4 ₅ (%)	3 ₂	3 ₂	3 ₂	3 ₂					
c. -1 ₀ to 0 ₂ (%)	4 ₂	6.77	4 ₂	4 ₂					
d. 0 ₂ to 1 ₀ (%)	1	4.86	1	4.86					
e. 1 ₀ to 2 ₅ (%)	1	0 ₂	1	0 ₂					
f. 2 ₅ to 4 ₅ (%)	1	1	1	1					
g. 4 ₅ to 6 ₂ (%)	9	5	5	5					
h. 6 ₂ to 8 ₂ (%)	31	29	36	36					
i. 8 ₂ to 10 ₂ (%)	25	27	25	25					
j. > 10 ₂ (%)	33	37	32	32					
20. SUBSAMPLE DRY WEIGHT (gm)					32.18	19.66			
21. SPECIFIC (avg.)									
22. PLASTICITY	High				High	High			
23. SHREDDING-TESTING-TEST SHELL (mm)	< 1%				< 1%	< 1%			
24. CONTAMINANT MINERAL (%)									
25. SECONDARY MINERAL (%)									
26. OTHER MINERALS (%)									
27. REMARKS									

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-94-1	5. SAMPLER TYPE	Kullenberg	
2. LATITUDE	43° 52' 50" N	6. WATER DEPTH (m.)	36.7	
3. LONGITUDE	69° 14' 18" W	7. CORE LENGTH (m.)	114	
4. DATE (day, month, year)	2 October 1969	8. CORE PENETRATION (m.)	120	
9. LABORATORY NUMBERS				
10. SUBSAMPLE DEPTH IN CORE (m.)	40.22	40.23	40.24	40.25
11. COLOR	Olive Gray 5Y3/2	Grayish Olive Green 5G3/2	Grayish Olive Green 5G3/2	Grayish Olive Green 5G3/2
12. DOOR				
13. WET DENSITY (lb./ft ³)				
14. RIGIDNESS (cm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. < 2 _φ (%)	0 _φ	0 _φ	0 _φ	0 _φ
b. 2 _φ to -1 _φ (%)	SE _φ	SE _φ	SE _φ	SE _φ
c. -1 _φ to 0 _φ (%)	M _φ 8.53	M _φ 8.10	M _φ 8.38	M _φ 8.30
d. 0 _φ to 1 _φ (%)	Trace	Trace	Trace	Trace
e. 1 _φ to 2 _φ (%)	0 _φ	0 _φ	0 _φ	0 _φ
f. 2 _φ to 3 _φ (%)	4	5	4	3
g. 3 _φ to 4 _φ (%)	21	22	22	22
h. 4 _φ to 5 _φ (%)	29	30	29	30
i. 5 _φ to 6 _φ (%)	45	43	45	45
j. > 6 _φ (%)	7.39	7.61	7.29	6.60
20. SUBSAMPLE DRY WEIGHT (gm)				
21. SPECIFIC (wgt.)	Plasticity	High	High	High
22. UNIFORMITY PLASTICITY				
23. UNIFORMITY PLASTICITY				
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS	Items 11-20 determined in the lab. Composition			
Depth (m.)				
0 - 31	Greenish clay with dark streaks throughout the top 4 inches			
31 - 33	Soft, olive gray clay			
33 - 114	Green clay with a soft area between 66 and 70 inches			
Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-94 continued				5. SAMPLER TYPE	
2. LATITUDE					6. WATER DEPTH (m.)	
3. LONGITUDE					7. CORE LENGTH (m.)	
4. DATE (day, month, year)					8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	4026	4027	4028	4029		
10. SUBSAMPLE DEPTH IN CORE (m.)	31-33	33-35	41-50	66-69		
11. COLOR	Olive Gray 5Y4/1	Grayish Olive Green 5G3/2	Grayish Olive Green 5G3/2	Grayish Olive Green 5G3/2		
12. DOOR						
13. WET DENSITY (lb./ft ³)						
14. RIGIDNESS (cm)						
15. MAXIMUM POROSITY (%)						
16. MINIMUM POROSITY (%)						
17. WATER CONTENT (%)						
18. ORGANIC CARBON CONTENT (%)						
19. SIZE ANALYSIS AND STATISTICAL MEASURES						
a. < 2 _φ (%)	0 _φ	0 _φ	0 _φ	0 _φ		0 _φ
b. 2 _φ to -1 _φ (%)	SE _φ	SE _φ	SE _φ	SE _φ		SE _φ
c. -1 _φ to 0 _φ (%)	M _φ 2.67	M _φ 7.90	M _φ 8.15	M _φ 8.50		M _φ 8.50
d. 0 _φ to 1 _φ (%)	0 _φ 5.25	0 _φ 5.40	0 _φ 5.75	0 _φ 5.80		0 _φ 5.80
e. 1 _φ to 2 _φ (%)	1	0 _φ	1	1		0 _φ
f. 2 _φ to 3 _φ (%)	1	1	1	1		1
g. 3 _φ to 4 _φ (%)	9	8	5	7		7
h. 4 _φ to 5 _φ (%)	24	22	22	18		18
i. 5 _φ to 6 _φ (%)	25	28	29	29		29
j. > 6 _φ (%)	40	42	43	45		45
20. SUBSAMPLE DRY WEIGHT (gm)						
21. SPECIFIC (wgt.)	9.70	14.41	13.05	16.83		
22. UNIFORMITY PLASTICITY						
23. UNIFORMITY PLASTICITY						
24. UNIFORM MINERAL (%)						
25. SECONDARY MINERAL (%)						
26. OTHER MINERALS (%)						
27. REMARKS	continued					
	shell scattered throughout core.					
	Dark layers in bottom of sample.					
Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-94 continued	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	4030	4031	4032
10. SUBSAMPLE DEPTH IN CORE (m.)	72-74	94-96	112-114
11. COLOR	Grayish Olive Green 5G Y 3/2	Grayish Olive Green 5G Y 3/2	Grayish Olive Green 5G Y 3/2
12. WET DENSITY (lb./ft. ³)			
13. RESIDUE (mm)			
14. MAXIMUM POROSITY (%)			
15. MINIMUM POROSITY (%)			
16. WATER CONTENT (%)			
17. ORGANIC CARBON CONTENT (%)			
18. SIZE ANALYSIS AND STATISTICAL MEASURES			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)	1147	997	970
21. SPECIFIC GRAVITY			
22. PLASTICITY	High	High	High
23. SURFACE TEXTURE (mm Shell/Cn)	4/10	4/10	4/10
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

1. SAMPLE NUMBER	66-97-1	5. SAMPLER TYPE	Auger
2. LATITUDE	43 47	6. WATER DEPTH (m.)	41.0
3. LONGITUDE	69 10 W	7. CORE LENGTH (m.)	15
4. DATE (Day, month, year)	8 SEPTEMBER 1957	8. CORE PENETRATION (m.)	60
9. LABORATORY NUMBERS	3631	3632 *	3633
10. SUBSAMPLE DEPTH IN CORE (m.)	0-3	7-9	12-15
11. COLOR	Dark Gray M3	Dark Gray (5Y 4/1)	Dark Gray (5Y 4/1)
12. WET DENSITY (lb./ft. ³)			
13. RESIDUE (mm)			
14. MAXIMUM POROSITY (%)			
15. MINIMUM POROSITY (%)			
16. WATER CONTENT (%)			
17. ORGANIC CARBON CONTENT (%)			
18. SIZE ANALYSIS AND STATISTICAL MEASURES			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)	1806	1620	2448
21. SPECIFIC GRAVITY			
22. PLASTICITY	High	High	High
23. SURFACE TEXTURE (mm Shell/Cn)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

* MUD WITH SOME SAND.
1-11 Many dark layers and streaks.

SEDIMENT TYPE	SILTY MUD	CLAYEY SILT	CLAYEY SILT
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SEDIMENT TYPE	SILTY CLAY	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-98-1
2. LATITUDE	43° 43' 54" N
3. LONGITUDE	69° 05' 54" W
4. DATE (Day, month, year)	8 September 1969
5. LABATORY NUMBERS	4401
6. WATER DEPTH (m.)	34.2

11. COLOR
Olive Gray
5441

12. DOOR	
13. NET DENSITY (1b./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2, (s)	100
b. -2 ₀ to -1 ₀ (s)	4
c. -1 ₀ to 0 ₀ (s)	3
d. 0 ₀ to 1 ₀ (s)	3
e. 1 ₀ to 2 ₀ (s)	4
f. 2 ₀ to 3 ₀ (s)	4
g. 3 ₀ to 4 ₀ (s)	3
h. 4 ₀ to 6 ₀ (s)	3
i. 6 ₀ to 8 ₀ (s)	6
j. > 8 ₀ (s)	8

20. SUBSAMPLE DRY WEIGHT (gm) 60.19 |

21. SPECIFICITY (equiv.) |

22. MINIMUM-TO-MAXIMUM Plasticity	—
23. MINIMUM-TO-MAXIMUM Shell % Ca	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Pebbles & Sand
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1. SAMPLE NUMBER	66-100-1
2. LATITUDE	43° 50' 00" N
3. LONGITUDE	68° 58' 00" W
4. DATE (Day, month, year)	8 September 1969
5. LABATORY NUMBERS	4402
6. WATER DEPTH (m.)	25.0

11. COLOR
Olive Gray
5441

12. DOOR	
13. NET DENSITY (1b./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2, (s)	46
b. -2 ₀ to -1 ₀ (s)	9
c. -1 ₀ to 0 ₀ (s)	6
d. 0 ₀ to 1 ₀ (s)	7
e. 1 ₀ to 2 ₀ (s)	6
f. 2 ₀ to 3 ₀ (s)	5
g. 3 ₀ to 4 ₀ (s)	2
h. 4 ₀ to 6 ₀ (s)	5
i. 6 ₀ to 8 ₀ (s)	6
j. > 8 ₀ (s)	7

20. SUBSAMPLE DRY WEIGHT (gm) 240.11 |

21. SPECIFICITY (equiv.) |

22. MINIMUM-TO-MAXIMUM Plasticity	None
23. MINIMUM-TO-MAXIMUM Shell % Ca	1%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

The sample contained one large pebble
($2\frac{1}{2} \times 1\frac{1}{2} \times 1\frac{1}{2}$ in - 8/32 in) - not included
in analysis.

Sediment Type	Pebbles & Sand
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1. SAMPLE NUMBER	66-101-1
2. LATITUDE	43° 51' 32" N
3. LONGITUDE	68° 58' 00" W
4. DATE (Day, month, year)	8 September 1969
5. LABATORY NUMBERS	4403
6. WATER DEPTH (m.)	27.3

11. COLOR
Olive Gray
5441

12. DOOR	
13. NET DENSITY (1b./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2, (s)	30
b. -2 ₀ to -1 ₀ (s)	9
c. -1 ₀ to 0 ₀ (s)	5
d. 0 ₀ to 1 ₀ (s)	5
e. 1 ₀ to 2 ₀ (s)	9
f. 2 ₀ to 3 ₀ (s)	10
g. 3 ₀ to 4 ₀ (s)	6
h. 4 ₀ to 6 ₀ (s)	6
i. 6 ₀ to 8 ₀ (s)	8
j. > 8 ₀ (s)	13

20. SUBSAMPLE DRY WEIGHT (gm) 125.83 |

21. SPECIFICITY (equiv.) |

22. MINIMUM-TO-MAXIMUM Plasticity	Med
23. MINIMUM-TO-MAXIMUM Shell % Ca	2%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Pebbly Sand
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1. SAMPLE NUMBER	66-102-1
2. LATITUDE	43° 53' 03" N
3. LONGITUDE	68° 57' 48" W
4. DATE (Day, month, year)	8 September 1969
5. LABATORY NUMBERS	4404
6. WATER DEPTH (m.)	23.7

11. COLOR
Olive Gray
5441

12. DOOR	
13. NET DENSITY (1b./ft ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. < 2, (s)	14
b. -2 ₀ to -1 ₀ (s)	15
c. -1 ₀ to 0 ₀ (s)	26
d. 0 ₀ to 1 ₀ (s)	16
e. 1 ₀ to 2 ₀ (s)	22
f. 2 ₀ to 3 ₀ (s)	6
g. 3 ₀ to 4 ₀ (s)	Trace
h. 4 ₀ to 6 ₀ (s)	
i. 6 ₀ to 8 ₀ (s)	2
j. > 8 ₀ (s)	

20. SUBSAMPLE DRY WEIGHT (gm) 48.57 |

21. SPECIFICITY (equiv.) |

22. MINIMUM-TO-MAXIMUM Plasticity	Low
23. MINIMUM-TO-MAXIMUM Shell % Ca	< 1%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Sand
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1. SAMPLE NUMBER	66-103-1
2. LATITUDE	43° 53' 12" N
3. LONGITUDE	68° 56' 06" W
4. DATE (day, month, year)	8 September 1969
5. LABORATORY NUMBERS	4905
6. WATER DEPTH (m.)	22.5

11. COLOR	Olive Gray 5Y4/1
12. ODOR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{25} (%)	52	0%, 2.73
b. ϕ_{20} to ϕ_{10} (%)	7	5%, 1.29
c. ϕ_{10} to ϕ_5 (%)	6	4%, 0.94
d. ϕ_5 to ϕ_2 (%)	5	0.1, -3.73
e. ϕ_2 to ϕ_1 (%)	6	0.2, 1.83
f. ϕ_1 to $\phi_{0.75}$ (%)	10	
g. $\phi_{0.75}$ to $\phi_{0.425}$ (%)	3	
h. $\phi_{0.425}$ to $\phi_{0.25}$ (%)	2	
i. $\phi_{0.25}$ to $\phi_{0.15}$ (%)	3	
j. $\phi_{0.15}$ to $\phi_{0.075}$ (%)	3	
k. $\phi_{0.075}$ to $\phi_{0.0425}$ (%)	6	

20. SUSPENSIBLE DRY WEIGHT (gm)	225.32
21. SPECIFIC (exp.)	
22. MINIMUM TESTED TEMPERATURE Plasticity	Plad.
23. SUBJECT TESTED TEMPERATURE Style/Cm.	2.2
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

The entire sample was analysed.

Sediment Type	Pebbles & Sand
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1. SAMPLE NUMBER	66-104-1
2. LATITUDE	43° 53' 13" N
3. LONGITUDE	68° 54' 03" W
4. DATE (day, month, year)	8 September 1969
5. LABORATORY NUMBERS	4906
6. WATER DEPTH (m.)	25.8

11. COLOR	Olive Gray 5Y4/1
12. ODOR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{25} (%)	4	0%, 1.45
b. ϕ_{20} to ϕ_{10} (%)	1	0%, 4.10
c. ϕ_{10} to ϕ_5 (%)	1	4%, 2.67
d. ϕ_5 to ϕ_2 (%)	1	0.1, 2.92
e. ϕ_2 to ϕ_1 (%)	2	0.2, 5.22
f. ϕ_1 to $\phi_{0.75}$ (%)	4	
g. $\phi_{0.75}$ to $\phi_{0.425}$ (%)	6	
h. $\phi_{0.425}$ to $\phi_{0.25}$ (%)	23	
i. $\phi_{0.25}$ to $\phi_{0.15}$ (%)	6	
j. $\phi_{0.15}$ to $\phi_{0.075}$ (%)	8	

20. SUSPENSIBLE DRY WEIGHT (gm)	26.43
21. SPECIFIC (exp.)	
22. MINIMUM TESTED TEMPERATURE Plasticity	4 Low
23. SUBJECT TESTED TEMPERATURE Style/Cm.	5%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Silty Sand
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1. SAMPLE NUMBER	66-105-1
2. LATITUDE	43° 54' 29" N
3. LONGITUDE	68° 53' 06" W
4. DATE (day, month, year)	8 September 1969
5. LABORATORY NUMBERS	4907
6. WATER DEPTH (m.)	29.3

11. COLOR	Olive Gray 5Y4/1
12. ODOR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{25} (%)	17	0%, 1.35
b. ϕ_{20} to ϕ_{10} (%)	20	38, 10.10
c. ϕ_{10} to ϕ_5 (%)	20	4%, -0.36
d. ϕ_5 to ϕ_2 (%)	17	0.1, -1.60
e. ϕ_2 to ϕ_1 (%)	12	0.2, 1.10
f. ϕ_1 to $\phi_{0.75}$ (%)	4	
g. $\phi_{0.75}$ to $\phi_{0.425}$ (%)	2	
h. $\phi_{0.425}$ to $\phi_{0.25}$ (%)	1	
i. $\phi_{0.25}$ to $\phi_{0.15}$ (%)	3	
j. $\phi_{0.15}$ to $\phi_{0.075}$ (%)	3	

20. SUSPENSIBLE DRY WEIGHT (gm)	39.51
21. SPECIFIC (exp.)	
22. MINIMUM TESTED TEMPERATURE Plasticity	None
23. SUBJECT TESTED TEMPERATURE Style/Cm.	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Pebbly Sand
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1. SAMPLE NUMBER	66-106-1
2. LATITUDE	43° 55' 54" N
3. LONGITUDE	68° 50' 06" W
4. DATE (day, month, year)	8 September 1969
5. LABORATORY NUMBERS	4908
6. WATER DEPTH (m.)	42.5

11. COLOR	Olive Gray 5Y4/1
12. ODOR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

a. ϕ_{25} (%)	30	0%, 3.15
b. ϕ_{20} to ϕ_{10} (%)	6	5%, -0.01
c. ϕ_{10} to ϕ_5 (%)	7	4%, 0.87
d. ϕ_5 to ϕ_2 (%)	8	0.1, -2.23
e. ϕ_2 to ϕ_1 (%)	9	0.2, 4.00
f. ϕ_1 to $\phi_{0.75}$ (%)	10	
g. $\phi_{0.75}$ to $\phi_{0.425}$ (%)	5	
h. $\phi_{0.425}$ to $\phi_{0.25}$ (%)	5	
i. $\phi_{0.25}$ to $\phi_{0.15}$ (%)	8	
j. $\phi_{0.15}$ to $\phi_{0.075}$ (%)	11	

20. SUSPENSIBLE DRY WEIGHT (gm)	12.87
21. SPECIFIC (exp.)	
22. MINIMUM TESTED TEMPERATURE Plasticity	Med.
23. SUBJECT TESTED TEMPERATURE Style/Cm.	2%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

Sediment Type	Pebbly Sand
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1. SAMPLE NUMBER	66-107-1
2. LATITUDE	43° 55' 54" N
3. LONGITUDE	68° 52' 26" W
4. DATE (day, month, year)	8 September 1959
5. LABORATORY NUMBERS	4409
6. WATER DEPTH (m.)	46.7

11. COLOR	Olive Gray 5411
12. ODR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	1 0 _φ 3.08
b. -2 _φ to -1 _φ (%)	1 5 _φ 10.86
c. -1 _φ to 0 _φ (%)	2 4 _φ 5.48
d. 0 _φ to 1 _φ (%)	2 0 _φ 3.25
e. 1 _φ to 2 _φ (%)	4 0 _φ 9.40
f. 2 _φ to 3 _φ (%)	11
g. 3 _φ to 4 _φ (%)	15
h. 4 _φ to 5 _φ (%)	18
i. 5 _φ to 6 _φ (%)	19
j. > 6 _φ (%)	27
20. SUBSAMPLE DRY WEIGHT (gm)	28.95
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	Med.
23. SUBSAMPLE SURFACE TEXTURE (avg.)	1 P
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Sediment Type Silty Mud

1. SAMPLE NUMBER	66-108-1
2. LATITUDE	43° 55' 54" N
3. LONGITUDE	68° 54' 18" W
4. DATE (day, month, year)	8 September 1959
5. LABORATORY NUMBERS	4410
6. WATER DEPTH (m.)	49.5

11. COLOR	Olive Gray 5411
12. ODR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	20 0 _φ 3.17
b. -2 _φ to -1 _φ (%)	8 3 _φ 0.24
c. -1 _φ to 0 _φ (%)	2 4 _φ 2.00
d. 0 _φ to 1 _φ (%)	6 0 _φ 1.41
e. 1 _φ to 2 _φ (%)	10 0 _φ 4.93
f. 2 _φ to 3 _φ (%)	
g. 3 _φ to 4 _φ (%)	12
h. 4 _φ to 5 _φ (%)	17
i. 5 _φ to 6 _φ (%)	
j. > 6 _φ (%)	11
20. SUBSAMPLE DRY WEIGHT (gm)	74.67
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	Med.
23. SUBSAMPLE SURFACE TEXTURE (avg.)	2 P
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Sediment Type Silty Sand with silt

1. SAMPLE NUMBER	66-112-1
2. LATITUDE	43° 58' 51" N
3. LONGITUDE	68° 58' 00" W
4. DATE (day, month, year)	8 September 1959
5. LABORATORY NUMBERS	4411
6. WATER DEPTH (m.)	33.0

11. COLOR	
12. ODR	
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	5 _φ
c. -1 _φ to 0 _φ (%)	4 _φ
d. 0 _φ to 1 _φ (%)	0 _φ
e. 1 _φ to 2 _φ (%)	0 _φ
f. 2 _φ to 3 _φ (%)	
g. 3 _φ to 4 _φ (%)	
h. 4 _φ to 5 _φ (%)	
i. 5 _φ to 6 _φ (%)	
j. > 6 _φ (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	
23. SURFACE TEXTURE (avg.)	
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Insufficient sample for analysis.

1. SAMPLE NUMBER	66-113-1
2. LATITUDE	44° 07' 20" N
3. LONGITUDE	68° 59' 48" W
4. DATE (day, month, year)	9 September 1959
5. LABORATORY NUMBERS	4412
6. WATER DEPTH (m.)	37.5

11. COLOR	Olive Black
12. ODR	foul
13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	0 _φ
b. -2 _φ to -1 _φ (%)	5 _φ
c. -1 _φ to 0 _φ (%)	4 _φ 7.55
d. 0 _φ to 1 _φ (%)	0 _φ 5.41
e. 1 _φ to 2 _φ (%)	1 0 _φ
f. 2 _φ to 3 _φ (%)	2
g. 3 _φ to 4 _φ (%)	5
h. 4 _φ to 5 _φ (%)	24
i. 5 _φ to 6 _φ (%)	32
j. > 6 _φ (%)	36
20. SUBSAMPLE DRY WEIGHT (gm)	16.83
21. SPECIFICITY (avg.)	
22. MINIMUM PLASTICITY	High
23. SUBSAMPLE SURFACE TEXTURE (avg.)	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

Sediment Type Clayey Silt

1. SAMPLE NUMBER	66-113-2	3. SAMPLER TYPE	Kullenberg
2. LATITUDE	44° 07' 20" N	6. WATER DEPTH (m.)	383
3. LONGITUDE	59° 48' W	7. CORE LENGTH (m.)	96.02*
4. DATE (day, month, year)	9 September 1959	8. CORE PENETRATION (m.)	132
5. LABORATORY NUMBERS	4034	9. CORE PENETRATION (m.)	4035
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	4036
11. COLOR	Black and Olive Gray 56132	11. COLOR	Grayish Olive Green 56132
12. OTHER		12. OTHER	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. WATERSHED PROSITY (%)		15. WATERSHED PROSITY (%)	
16. WATERSHED PROSITY (%)		16. WATERSHED PROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $\Sigma < 2\phi$ (%)		a. $\Sigma < 2\phi$ (%)	
b. $\Sigma < 2\phi$ to -1ϕ (%)		b. $\Sigma < 2\phi$ to -1ϕ (%)	
c. $\Sigma < 2\phi$ to 0ϕ (%)		c. $\Sigma < 2\phi$ to 0ϕ (%)	
d. 0ϕ to 1ϕ (%)		d. 0ϕ to 1ϕ (%)	
e. 1ϕ to 2ϕ (%)		e. 1ϕ to 2ϕ (%)	
f. 2ϕ to 3ϕ (%)		f. 2ϕ to 3ϕ (%)	
g. 3ϕ to 4ϕ (%)		g. 3ϕ to 4ϕ (%)	
h. 4ϕ to 6ϕ (%)		h. 4ϕ to 6ϕ (%)	
i. 6ϕ to 8ϕ (%)		i. 6ϕ to 8ϕ (%)	
j. $> 8\phi$ (%)		j. $> 8\phi$ (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	9.47	20. SUBSAMPLE DRY WEIGHT (gm)	19.09
21. SPECIFIC GRAVITY		21. SPECIFIC GRAVITY	
22. WATERSHED PROSITY Plasticity	H-13b	22. WATERSHED PROSITY Plasticity	H-13b
23. WATERSHED PROSITY Plasticity	H-13b	23. WATERSHED PROSITY Plasticity	H-13b
24. DOMINANT MINERAL (%)	~1%	24. DOMINANT MINERAL (%)	~1%
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS: Terms 11-26 determined in the lab		27. REMARKS: Terms 11-26 determined in the lab	

Shells scattered throughout the core, becoming more numerous in last 10 inches. Dark streaks in the first 8 inches. Change of color at 8 inches. Between 24 and 27, sand and 59° and 72nd 73°, the core was composed of soft mud. Bottom of core was loose and unconsolidated.

Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt
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1. SAMPLE NUMBER	66-113-2 continued	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
5. LABORATORY NUMBERS	4037	9. CORE PENETRATION (m.)	4039
10. SUBSAMPLE DEPTH IN CORE (m.)	46-48	10. SUBSAMPLE DEPTH IN CORE (m.)	58-60
11. COLOR	Grayish Olive Green 56132	11. COLOR	Grayish Olive Green 56132
12. OTHER		12. OTHER	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. WATERSHED PROSITY (%)		15. WATERSHED PROSITY (%)	
16. WATERSHED PROSITY (%)		16. WATERSHED PROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $\Sigma < 2\phi$ (%)		a. $\Sigma < 2\phi$ (%)	
b. $\Sigma < 2\phi$ to -1ϕ (%)		b. $\Sigma < 2\phi$ to -1ϕ (%)	
c. $\Sigma < 2\phi$ to 0ϕ (%)		c. $\Sigma < 2\phi$ to 0ϕ (%)	
d. 0ϕ to 1ϕ (%)		d. 0ϕ to 1ϕ (%)	
e. 1ϕ to 2ϕ (%)		e. 1ϕ to 2ϕ (%)	
f. 2ϕ to 3ϕ (%)		f. 2ϕ to 3ϕ (%)	
g. 3ϕ to 4ϕ (%)		g. 3ϕ to 4ϕ (%)	
h. 4ϕ to 6ϕ (%)		h. 4ϕ to 6ϕ (%)	
i. 6ϕ to 8ϕ (%)		i. 6ϕ to 8ϕ (%)	
j. $> 8\phi$ (%)		j. $> 8\phi$ (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	20.09	20. SUBSAMPLE DRY WEIGHT (gm)	12.27
21. SPECIFIC GRAVITY		21. SPECIFIC GRAVITY	
22. WATERSHED PROSITY Plasticity	H-13b	22. WATERSHED PROSITY Plasticity	H-13b
23. WATERSHED PROSITY Plasticity	H-13b	23. WATERSHED PROSITY Plasticity	H-13b
24. DOMINANT MINERAL (%)	1%	24. DOMINANT MINERAL (%)	1%
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS: continued		27. REMARKS: continued	

Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt
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1. SAMPLE NUMBER	66-114-1	5. SAMPLER TYPE	VULNERBERG
2. LATITUDE	44 07 38 N	5. WATER DEPTH (m.)	43.3
3. LONGITUDE	68 57 45 W	7. CORE LENGTH (in.)	121
6. DATE (day, month, year)	9 SEPTEMBER 1959	8. CORE PENETRATION (in.)	132
9. LABORATORY NUMBERS	3920 *	3921 *	3922 *
10. SUBSAMPLE DEPTH IN CORE (in.)	0-2	9-11	30-32
11. COLOR	Pure Yellowish Green (10 BY 42)	Pure Yellowish Green (10 BY 42)	Pure Yellowish Green (10 BY 42)
12. 0000			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MINIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₀ (%)	1	0 ₁₀	0 ₁₀
b. -2 ₀ to -1 ₀ (%)		Trace	Trace
c. -1 ₀ to 0 ₁₀ (%)		M ₆₀ 8.60	M ₆₀ 8.55
d. 0 ₁₀ to 1 ₀ (%)	01.6.35	01.6.41	01.6.37
e. 1 ₀ to 2 ₀ (%)	1	3	1
f. 2 ₀ to 3 ₀ (%)			
g. 3 ₀ to 4 ₀ (%)			
h. 4 ₀ to 6 ₀ (%)	18	16	19
i. 6 ₀ to 8 ₀ (%)	35	35	35
j. > 8 ₀ (%)	45	43	44
20. SUBSAMPLE DRY WEIGHT (gm)	26.02	21.46	24.67
21. SPHERICITY (cm)			
22. SUBSAMPLE WEIGHT Plasticity	M ₆₀ 8.60	M ₆₀ 8.55	M ₆₀ 8.55
23. SUBSAMPLE WEIGHT Plasticity	M ₆₀ 8.60	M ₆₀ 8.55	M ₆₀ 8.55
24. DIAMETER MINERAL (%)	< 1/2	< 1/2	< 1/2
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB		

* THE SAMPLE CONTAINED BLACK STREAMS.
0-18" Black streaks 4 layers.

1. SAMPLE NUMBER	66-114-1	5. SAMPLER TYPE	CONTINUED
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (in.)	
6. DATE (day, month, year)		8. CORE PENETRATION (in.)	
9. LABORATORY NUMBERS	3924	3925	3926
10. SUBSAMPLE DEPTH IN CORE (in.)	72-74	96-98	119-121
11. COLOR	Pure Yellowish Green (10 BY 42)	Pure Yellowish Green (10 BY 42)	Pure Yellowish Green (10 BY 42)
12. 0000			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MINIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₀ (%)		0 ₁₀	0 ₁₀
b. -2 ₀ to -1 ₀ (%)		36	36
c. -1 ₀ to 0 ₁₀ (%)		M ₆₀ 8.83	M ₆₀ 8.72
d. 0 ₁₀ to 1 ₀ (%)	1	01.6.35	01.6.33
e. 1 ₀ to 2 ₀ (%)		0 ₁₀	0 ₁₀
f. 2 ₀ to 3 ₀ (%)			
g. 3 ₀ to 4 ₀ (%)			
h. 4 ₀ to 6 ₀ (%)	16	15	17
i. 6 ₀ to 8 ₀ (%)	36	38	37
j. > 8 ₀ (%)	47	46	45
20. SUBSAMPLE DRY WEIGHT (gm)	24.81	30.86	28.39
21. SPHERICITY (cm)			
22. SUBSAMPLE WEIGHT Plasticity	M ₆₀ 8.83	M ₆₀ 8.72	M ₆₀ 8.60
23. SUBSAMPLE WEIGHT Plasticity	M ₆₀ 8.83	M ₆₀ 8.72	M ₆₀ 8.60
24. DIAMETER MINERAL (%)	< 1/2	< 1/2	< 1/2
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	CONTINUED	9-10% tons of soft olive mud.	96-11" scattered throughout core

9-10% tons of soft olive mud.
96-11" scattered throughout core

1. SAMPLE NUMBER	66	5		5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 08'	41'	N	5. WATER DEPTH (m.)	35.8
3. LONGITUDE	68° 57'	47'	W	7. CORE LENGTH (m.)	12.8
4. DATE	9 SEPTEMBER 1959			8. CORE PENETRATION (m.)	156
5. LABORATORY NUMBER	3793				
6. SUBSAMPLE DEPTH IN CORE (m.)	20-22				
7. CORE NUMBER	ONE GORY (51 Y 3/4)				
8. CORE DEPTH (m.)	44-46				
9. CORE DEPTH (m.)	44-46				
10. CORE DEPTH (m.)	44-46				
11. CORE DEPTH (m.)	44-46				
12. CORE DEPTH (m.)	44-46				
13. CORE DEPTH (m.)	44-46				
14. CORE DEPTH (m.)	44-46				
15. CORE DEPTH (m.)	44-46				
16. CORE DEPTH (m.)	44-46				
17. CORE DEPTH (m.)	44-46				
18. CORE DEPTH (m.)	44-46				
19. CORE DEPTH (m.)	44-46				
20. CORE DEPTH (m.)	44-46				
21. CORE DEPTH (m.)	44-46				
22. CORE DEPTH (m.)	44-46				
23. CORE DEPTH (m.)	44-46				
24. CORE DEPTH (m.)	44-46				
25. CORE DEPTH (m.)	44-46				
26. CORE DEPTH (m.)	44-46				
27. CORE DEPTH (m.)	44-46				

THE FIRST 24 INCHES CONTAINED MARL SPHERES.
WORM BURROWS AND SHELL SCATTERED THROUGHOUT CORE.

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-115-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE			5. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE			8. CORE PENETRATION (m.)	
5. LABORATORY NUMBER	3802			
6. SUBSAMPLE DEPTH IN CORE (m.)	97-99			
7. CORE NUMBER	GORGON COVE EASTERN (5.6V 3/4)			
8. CORE DEPTH (m.)	120-122			
9. CORE DEPTH (m.)	120-122			
10. CORE DEPTH (m.)	120-122			
11. CORE DEPTH (m.)	120-122			
12. CORE DEPTH (m.)	120-122			
13. CORE DEPTH (m.)	120-122			
14. CORE DEPTH (m.)	120-122			
15. CORE DEPTH (m.)	120-122			
16. CORE DEPTH (m.)	120-122			
17. CORE DEPTH (m.)	120-122			
18. CORE DEPTH (m.)	120-122			
19. CORE DEPTH (m.)	120-122			
20. CORE DEPTH (m.)	120-122			
21. CORE DEPTH (m.)	120-122			
22. CORE DEPTH (m.)	120-122			
23. CORE DEPTH (m.)	120-122			
24. CORE DEPTH (m.)	120-122			
25. CORE DEPTH (m.)	120-122			
26. CORE DEPTH (m.)	120-122			
27. CORE DEPTH (m.)	120-122			

REMARKS:

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-117-1			5. SAMPLER TYPE	KILLWATER		
2. LATITUDE	44° 10'	15° N	50° W	6. WATER DEPTH (m.)	291		
3. LONGITUDE	68° 55'	50° W	120°	7. CORE LENGTH (m.)	125		
4. DATE (mo., day, year)	9 September 1959			8. CORE PENETRATION (m.)	132		
9. LABORATORY NUMBERS	3974 *	3975 *	3976 *	9. DATE (mo., day, year)	3977 *		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	22-24	48-50	10. SUBSAMPLE DEPTH IN CORE (m.)	48-50		
11. COLOR	DUNE GRAY (5Y 4/2)			11. COLOR	DUNE GRAY (5Y 4/2)		
12. DGR				12. DGR			
13. NET DENSITY (lb./ft ³)				13. NET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)				14. RIGIDITY (cm)			
15. NUTRIENT POROSITY (%)				15. NUTRIENT POROSITY (%)			
16. MINIMUM POROSITY (%)				16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)				17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)				18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES				19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂	3 ₄	10 ₂	a. < 2 ₅ (%)	0 ₂	3 ₄	10 ₂
b. < 2 ₅ to < 1 ₅ (%)				b. < 2 ₅ to < 1 ₅ (%)			
c. < 1 ₅ to 0 ₁ (%)	ME, 7.35	ME, 7.65	ME, 7.95	c. < 1 ₅ to 0 ₁ (%)	ME, 8.10	ME, 8.25	ME, 8.15
d. 0 ₁ to 1 ₅ (%)	2	0.1-5.25	1	d. 0 ₁ to 1 ₅ (%)	2	0.1-5.85	1
e. 1 ₅ to 2 ₅ (%)	0 ₂	0 ₂	0 ₂	e. 1 ₅ to 2 ₅ (%)	0 ₂	0 ₂	0 ₂
f. 2 ₅ to 3 ₄ (%)				f. 2 ₅ to 3 ₄ (%)			
g. 3 ₄ to 0 ₁ (%)				g. 3 ₄ to 0 ₁ (%)			
h. 0 ₁ to 0 ₂ (%)	33	20	31	h. 0 ₁ to 0 ₂ (%)	24	24	25
i. 0 ₂ to 0 ₁ (%)	30	33	33	i. 0 ₂ to 0 ₁ (%)	33	34	33
j. > 0 ₁ (%)	35	36	36	j. > 0 ₁ (%)	41	41	41
20. SUBSAMPLE DRY WEIGHT (gm)	1801	2384	2043	20. SUBSAMPLE DRY WEIGHT (gm)	1979	2412	1845
21. SPHERICITY (ave)				21. SPHERICITY (ave)			
22. MINERALOGY (ave)	High	High	High	22. MINERALOGY (ave)	High	High	High
23. MINERALOGY (ave) (Shell Co.)	0	0	0	23. MINERALOGY (ave) (Shell Co.)	0	0	0
24. DOMINANT MINERAL (%)				24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)				25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)				26. OTHER MINERALS (%)			
27. REMARKS:	ITEMS 11-20 DETERMINED IN THE LAB			27. REMARKS:	100% - color change		

* THE SAMPLE CONTAINED DARK STREAKS.
0-20 in. many dark streaks and fibers.

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-117-1			5. SAMPLER TYPE	CONTINUED		
2. LATITUDE				6. WATER DEPTH (m.)			
3. LONGITUDE				7. CORE LENGTH (m.)			
4. DATE (mo., day, year)				8. CORE PENETRATION (m.)			
9. LABORATORY NUMBERS	3977 *	3978 *	3979 *	9. DATE (mo., day, year)			
10. SUBSAMPLE DEPTH IN CORE (m.)	94-96	107-109	119-121	10. SUBSAMPLE DEPTH IN CORE (m.)			
11. COLOR	DUNE GRAY (5Y 4/2)			11. COLOR	DUNE GRAY (5Y 4/2)		
12. DGR				12. DGR			
13. NET DENSITY (lb./ft ³)				13. NET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)				14. RIGIDITY (cm)			
15. NUTRIENT POROSITY (%)				15. NUTRIENT POROSITY (%)			
16. MINIMUM POROSITY (%)				16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)				17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)				18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES				19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂	0 ₂	0 ₂	a. < 2 ₅ (%)	0 ₂	0 ₂	0 ₂
b. < 2 ₅ to < 1 ₅ (%)				b. < 2 ₅ to < 1 ₅ (%)			
c. < 1 ₅ to 0 ₁ (%)	ME, 8.10	ME, 8.25	ME, 8.15	c. < 1 ₅ to 0 ₁ (%)	ME, 8.10	ME, 8.25	ME, 8.15
d. 0 ₁ to 1 ₅ (%)	2	0.1-5.85	1	d. 0 ₁ to 1 ₅ (%)	2	0.1-5.85	1
e. 1 ₅ to 2 ₅ (%)	0 ₂	0 ₂	0 ₂	e. 1 ₅ to 2 ₅ (%)	0 ₂	0 ₂	0 ₂
f. 2 ₅ to 3 ₄ (%)				f. 2 ₅ to 3 ₄ (%)			
g. 3 ₄ to 0 ₁ (%)				g. 3 ₄ to 0 ₁ (%)			
h. 0 ₁ to 0 ₂ (%)	24	24	25	h. 0 ₁ to 0 ₂ (%)	24	24	25
i. 0 ₂ to 0 ₁ (%)	33	34	33	i. 0 ₂ to 0 ₁ (%)	33	34	33
j. > 0 ₁ (%)	41	41	41	j. > 0 ₁ (%)	41	41	41
20. SUBSAMPLE DRY WEIGHT (gm)	1979	2412	1845	20. SUBSAMPLE DRY WEIGHT (gm)	1979	2412	1845
21. SPHERICITY (ave)				21. SPHERICITY (ave)			
22. MINERALOGY (ave)	High	High	High	22. MINERALOGY (ave)	High	High	High
23. MINERALOGY (ave) (Shell Co.)	0	0	0	23. MINERALOGY (ave) (Shell Co.)	0	0	0
24. DOMINANT MINERAL (%)				24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)				25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)				26. OTHER MINERALS (%)			
27. REMARKS:	100% - color change			27. REMARKS:			

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-118-1
2. LATITUDE	44° 10' 13" N
3. LONGITUDE	68° 53' 39" W
4. DATE (Day, month, year)	9 September 1959
5. LABORATORY NUMBERS	4913
6. WATER DEPTH (m.)	7.5
7. COLOR	Olive Gray 6544
8. DOOR	
9. NET DENSITY (lb./ft ³)	
10. BIOGRAPH (cm.)	
11. MAXIMUM POROSITY (%)	
12. MINIMUM POROSITY (%)	
13. WATER CONTENT (%)	
14. ORGANIC CARBON CONTENT (%)	
15. SIZE ANALYSIS AND STATISTICAL MEASURES	

20. SUSCEPTIBLE DRY WEIGHT (%)	128.9q
21. SPECIFICITY (log _e)	
22. IMMUNE-TO-ANTIGEN RATIO <i>Ab:Ag</i>	<i>Ab:Ag</i>
23. IMMUNE-TO-ANTIGEN RATIO <i>Ab:Ag</i>	<i>Ab:Ag</i>
24. DONOR MINERAL (S)	<i>1°</i>
25. SECONDARY MINERAL (S)	
26. OTHER MINERALS (S)	

27. REMARKS: Items 11-26 determined in the lab

1. SAMPLE NUMBER	66-119-1
2. LATITUDE	44° 11'
3. LONGITUDE	68° 53'
4. DATE (day month year)	9 September 1969
5. LABORATORY NUMBERS	4947
6. WATER DEPTH (m.)	27.3
7. COLOR	Oliver Gray 5.4/11
8. OODOR	
9. WET DENSITY (1b./ft. ³)	
10. RIGIDORSE (cm)	
11. MAXIMUM PROBIDITY (%)	
12. MINIMUM PROBIDITY (%)	
13. WATER CONTENT (%)	
14. ORGANIC CARBON CONTENT (%)	

B. SIZE ANALYSIS AND STATISTICAL MEASURES		
1.	$\sigma_1 - \sigma_2$ (s)	0.9
2.	$\sigma_2 - \sigma_3$ (s)	35.6
3.	$\sigma_3 - \sigma_4$ to σ_5 (s)	796
4.	σ_5 to σ_6 (s)	0.6
5.	σ_6 to σ_7 (s)	0.627
6.	σ_7 to σ_8 (s)	0.1
7.	σ_8 to σ_9 (s)	0.1
8.	σ_9 to σ_{10} (s)	1
9.	σ_{10} to σ_{11} (s)	1
10.	σ_{11} to σ_{12} (s)	1
11.	σ_{12} to σ_{13} (s)	1
12.	σ_{13} to σ_{14} (s)	1
13.	σ_{14} to σ_{15} (s)	18
14.	σ_{15} to σ_{16} (s)	44
15.	σ_{16} to σ_{17} (s)	35
16.	σ_{17} to σ_{18} (s)	35
17.	σ_{18} to σ_{19} (s)	1992
18.	σ_{19} to σ_{20} (s)	1992
19.	σ_{20} to σ_{21} (s)	1992
20.	σ_{21} to σ_{22} (s)	1992
21.	σ_{22} to σ_{23} (s)	1992
22.	σ_{23} to σ_{24} (s)	1992
23.	σ_{24} to σ_{25} (s)	1992
24.	σ_{25} to σ_{26} (s)	1992
25.	σ_{26} to σ_{27} (s)	1992
26.	σ_{27} to σ_{28} (s)	1992
27.	σ_{28} to σ_{29} (s)	1992
28.	σ_{29} to σ_{30} (s)	1992
29.	σ_{30} to σ_{31} (s)	1992
30.	σ_{31} to σ_{32} (s)	1992
31.	σ_{32} to σ_{33} (s)	1992
32.	σ_{33} to σ_{34} (s)	1992
33.	σ_{34} to σ_{35} (s)	1992
34.	σ_{35} to σ_{36} (s)	1992
35.	σ_{36} to σ_{37} (s)	1992
36.	σ_{37} to σ_{38} (s)	1992
37.	σ_{38} to σ_{39} (s)	1992
38.	σ_{39} to σ_{40} (s)	1992
39.	σ_{40} to σ_{41} (s)	1992
40.	σ_{41} to σ_{42} (s)	1992
41.	σ_{42} to σ_{43} (s)	1992
42.	σ_{43} to σ_{44} (s)	1992
43.	σ_{44} to σ_{45} (s)	1992
44.	σ_{45} to σ_{46} (s)	1992
45.	σ_{46} to σ_{47} (s)	1992
46.	σ_{47} to σ_{48} (s)	1992
47.	σ_{48} to σ_{49} (s)	1992
48.	σ_{49} to σ_{50} (s)	1992
49.	σ_{50} to σ_{51} (s)	1992
50.	σ_{51} to σ_{52} (s)	1992
51.	σ_{52} to σ_{53} (s)	1992
52.	σ_{53} to σ_{54} (s)	1992
53.	σ_{54} to σ_{55} (s)	1992
54.	σ_{55} to σ_{56} (s)	1992
55.	σ_{56} to σ_{57} (s)	1992
56.	σ_{57} to σ_{58} (s)	1992
57.	σ_{58} to σ_{59} (s)	1992
58.	σ_{59} to σ_{60} (s)	1992
59.	σ_{60} to σ_{61} (s)	1992
60.	σ_{61} to σ_{62} (s)	1992
61.	σ_{62} to σ_{63} (s)	1992
62.	σ_{63} to σ_{64} (s)	1992
63.	σ_{64} to σ_{65} (s)	1992
64.	σ_{65} to σ_{66} (s)	1992
65.	σ_{66} to σ_{67} (s)	1992
66.	σ_{67} to σ_{68} (s)	1992
67.	σ_{68} to σ_{69} (s)	1992
68.	σ_{69} to σ_{70} (s)	1992
69.	σ_{70} to σ_{71} (s)	1992
70.	σ_{71} to σ_{72} (s)	1992
71.	σ_{72} to σ_{73} (s)	1992
72.	σ_{73} to σ_{74} (s)	1992
73.	σ_{74} to σ_{75} (s)	1992
74.	σ_{75} to σ_{76} (s)	1992
75.	σ_{76} to σ_{77} (s)	1992
76.	σ_{77} to σ_{78} (s)	1992
77.	σ_{78} to σ_{79} (s)	1992
78.	σ_{79} to σ_{80} (s)	1992
79.	σ_{80} to σ_{81} (s)	1992
80.	σ_{81} to σ_{82} (s)	1992
81.	σ_{82} to σ_{83} (s)	1992
82.	σ_{83} to σ_{84} (s)	1992
83.	σ_{84} to σ_{85} (s)	1992
84.	σ_{85} to σ_{86} (s)	1992
85.	σ_{86} to σ_{87} (s)	1992
86.	σ_{87} to σ_{88} (s)	1992
87.	σ_{88} to σ_{89} (s)	1992
88.	σ_{89} to σ_{90} (s)	1992
89.	σ_{90} to σ_{91} (s)	1992
90.	σ_{91} to σ_{92} (s)	1992
91.	σ_{92} to σ_{93} (s)	1992
92.	σ_{93} to σ_{94} (s)	1992
93.	σ_{94} to σ_{95} (s)	1992
94.	σ_{95} to σ_{96} (s)	1992
95.	σ_{96} to σ_{97} (s)	1992
96.	σ_{97} to σ_{98} (s)	1992
97.	σ_{98} to σ_{99} (s)	1992
98.	σ_{99} to σ_{100} (s)	1992
99.	σ_{100} to σ_{101} (s)	1992
100.	σ_{101} to σ_{102} (s)	1992
101.	σ_{102} to σ_{103} (s)	1992
102.	σ_{103} to σ_{104} (s)	1992
103.	σ_{104} to σ_{105} (s)	1992
104.	σ_{105} to σ_{106} (s)	1992
105.	σ_{106} to σ_{107} (s)	1992
106.	σ_{107} to σ_{108} (s)	1992
107.	σ_{108} to σ_{109} (s)	1992
108.	σ_{109} to σ_{110} (s)	1992
109.	σ_{110} to σ_{111} (s)	1992
110.	σ_{111} to σ_{112} (s)	1992
111.	σ_{112} to σ_{113} (s)	1992
112.	σ_{113} to σ_{114} (s)	1992
113.	σ_{114} to σ_{115} (s)	1992
114.	σ_{115} to σ_{116} (s)	1992
115.	σ_{116} to σ_{117} (s)	1992
116.	σ_{117} to σ_{118} (s)	1992
117.	σ_{118} to σ_{119} (s)	1992
118.	σ_{119} to σ_{120} (s)	1992
119.	σ_{120} to σ_{121} (s)	1992
120.	σ_{121} to σ_{122} (s)	1992
121.	σ_{122} to σ_{123} (s)	1992
122.	σ_{123} to σ_{124} (s)	1992
123.	σ_{124} to σ_{125} (s)	1992
124.	σ_{125} to σ_{126} (s)	1992
125.	σ_{126} to σ_{127} (s)	1992
126.	σ_{127} to σ_{128} (s)	1992
127.	σ_{128} to σ_{129} (s)	1992
128.	σ_{129} to σ_{130} (s)	1992
129.	σ_{130} to σ_{131} (s)	1992
130.	σ_{131} to σ_{132} (s)	1992
131.	σ_{132} to σ_{133} (s)	1992
132.	σ_{133} to σ_{134} (s)	1992
133.	σ_{134} to σ_{135} (s)	1992
134.	σ_{135} to σ_{136} (s)	1992
135.	σ_{136} to σ_{137} (s)	1992
136.	σ_{137} to σ_{138} (s)	1992
137.	σ_{138} to σ_{139} (s)	1992
138.	σ_{139} to σ_{140} (s)	1992
139.	σ_{140} to σ_{141} (s)	1992
140.	σ_{141} to σ_{142} (s)	1992
141.	σ_{142} to σ_{143} (s)	1992
142.	σ_{143} to σ_{144} (s)	1992
143.	σ_{144} to σ_{145} (s)	1992
144.	σ_{145} to σ_{146} (s)	1992
145.	σ_{146} to σ_{147} (s)	1992
146.	σ_{147} to σ_{148} (s)	1992
147.	σ_{148} to σ_{149} (s)	1992
148.	σ_{149} to σ_{150} (s)	1992
149.	σ_{150} to σ_{151} (s)	1992
150.	σ_{151} to σ_{152} (s)	1992
151.	σ_{152} to σ_{153} (s)	1992
152.	σ_{153} to σ_{154} (s)	1992
153.	σ_{154} to σ_{155} (s)	1992
154.	σ_{155} to σ_{156} (s)	1992
155.	σ_{156} to σ_{157} (s)	1992
156.	σ_{157} to σ_{158} (s)	1992
157.	σ_{158} to σ_{159} (s)	1992
158.	σ_{159} to σ_{160} (s)	1992
159.	σ_{160} to σ_{161} (s)	1992
160.	σ_{161} to σ_{162} (s)	1992
161.	σ_{162} to σ_{163} (s)	1992
162.	σ_{163} to σ_{164} (s)	1992
163.	σ_{164} to σ_{165} (s)	1992
164.	σ_{165} to σ_{166} (s)	1992
165.	σ_{166} to σ_{167} (s)	1992
166.	σ_{167} to σ_{168} (s)	1992
167.	σ_{168} to σ_{169} (s)	1992
168.	σ_{169} to σ_{170} (s)	1992
169.	σ_{170} to σ_{171} (s)	1992
170.	σ_{171} to σ_{172} (s)	1992
171.	σ_{172} to σ_{173} (s)	1992
172.	σ_{173} to σ_{174} (s)	1992
173.	σ_{174} to σ_{175} (s)	1992
174.	σ_{175} to σ_{176} (s)	1992
175.	σ_{176} to σ_{177} (s)	1992
176.	σ_{177} to σ_{178} (s)	1992
177.	σ_{178} to σ_{179} (s)	1992
178.	σ_{179} to σ_{180} (s)	1992
179.	σ_{180} to σ_{181} (s)	1992
180.	σ_{181} to σ_{182} (s)	1992
181.	σ_{182} to σ_{183} (s)	1992
182.	σ_{183} to σ_{184} (s)	1992
183.	σ_{184} to σ_{185} (s)	1992
184.	σ_{185} to σ_{186} (s)	1992
185.	σ_{186} to σ_{187} (s)	1992
186.	σ_{187} to σ_{188} (s)	1992
187.	σ_{188} to σ_{189} (s)	1992
188.	σ_{189} to σ_{190} (s)	1992
189.	σ_{190} to σ_{191} (s)	1992
190.	σ_{191} to σ_{192} (s)	1992
191.	σ_{192} to σ_{193} (s)	1992
192.	σ_{193} to σ_{194} (s)	1992
193.	σ_{194} to σ_{195} (s)	1992
194.	σ_{195} to σ_{196} (s)	1992
195.	σ_{196} to σ_{197} (s)	1992
196.	σ_{197} to σ_{198} (s)	1992
197.	σ_{198} to σ_{199} (s)	1992
198.	σ_{199} to σ_{200} (s)	1992
199.	σ_{200} to σ_{201} (s)	1992
200.	σ_{201} to σ_{202} (s)	1992
201.	σ_{202} to σ_{203} (s)	1992
202.	σ_{203} to σ_{204} (s)	1992
203.	σ_{204} to σ_{205} (s)	1992
204.	σ_{205} to σ_{206} (s)	1992
205.	σ_{206} to σ_{207} (s)	1992
206.	σ_{207} to σ_{208} (s)	1992
207.	σ_{208} to σ_{209} (s)	1992
208.	σ_{209} to σ_{210} (s)	1992
209.	σ_{210} to σ_{211} (s)	1992
210.	σ_{211} to σ_{212} (s)	1992
211.	σ_{212} to σ_{213} (s)	1992
212.	σ_{213} to σ_{214} (s)	1992
213.	σ_{214} to σ_{215} (s)	1992
214.	σ_{215} to σ_{216} (s)	1992
215.	σ_{216} to σ_{217} (s)	1992
216.	σ_{217} to σ_{218} (s)	1992
217.	σ_{218} to σ_{219} (s)	1992
218.	σ_{219} to σ_{220} (s)	1992
219.	σ_{220} to σ_{221} (s)	1992
220.	σ_{221} to σ_{222} (s)	1992
221.	σ_{222} to σ_{223} (s)	1992
222.	σ_{223} to σ_{224} (s)	1992
223.	σ_{224} to σ_{225} (s)	1992
224.	σ_{225} to σ_{226} (s)	1992
225.	σ_{226} to σ_{227} (s)	1992
226.	σ_{227} to σ_{228} (s)	1992
227.	σ_{228} to σ_{229} (s)	1992
228.	σ_{229} to σ_{230} (s)	1992
229.	σ_{230} to σ_{231} (s)	1992
230.	σ_{231} to σ_{232} (s)	1992
231.	σ_{232} to σ_{233} (s)	1992
232.	σ_{233} to σ_{234} (s)	1992
233.	σ_{234} to σ_{235} (s)	1992
234.	σ_{235} to σ_{236} (s)	1992
235.	σ_{236} to σ_{237} (s)	1992
236.	σ_{237} to σ_{238} (s)	1992
237.	σ_{238} to σ_{239} (s)	1992
238.	σ_{239} to σ_{240} (s)	1992
239.	σ_{240} to σ_{241} (s)	1992
240.	σ_{241} to σ_{242} (s)	1992
241.	σ_{242} to σ_{243} (s)	1992
242.	σ_{243} to σ_{244} (s)	1992
243.	σ_{244} to σ_{245} (s)	1992
244.	σ_{245} to σ_{246} (s)	1992
245.	σ_{246} to σ_{247} (s)	1992
246.	σ_{247} to σ_{248} (s)	1992
247.	σ_{248} to σ_{249} (s)	1992
248.	σ_{249} to σ_{250} (s)	1992
249.	σ_{250} to σ_{251} (s)	1992
250.	σ_{251} to σ_{252} (s)	1992
251.	σ_{252} to σ_{253} (s)	1992
252.	σ_{253} to σ_{254} (s)	1992
253.	σ_{254} to σ_{255} (s)	1992
254.	σ_{255} to σ_{256} (s)	1992
255.</		

1. SAMPLE NUMBER	2. DOOR	3. NET DEASTHY (lb./ft ²)	4. PIGDISEASE (cm)	5. MAXIMUM PROSISITY (5)	6. MINIMUM PROSISITY (5)	7. WATER CONTENT (5)	8. ORGANIC CARBON CONTENT (5)	9. SIZE ANALYSIS AND STATISTICAL MEASURES
66-119-2	11	47	W	11	59	9 SEPTEMBER 1959		
1. LATITUDE	44°	59'	N					
2. WATER DEPTH (m.)								
3. LONGITUDE	68°	59'	W					
4. DATE (day, month, year)								
5. LABORATORY NUMBERS								
6. SUBSAMPLE DEPTH IN CORE (m.)								
1. COLOR								
2. DOOR								
3. NET DEASTHY (lb./ft ²)								
4. PIGDISEASE (cm)								
5. MAXIMUM PROSISITY (5)								
6. MINIMUM PROSISITY (5)								
7. WATER CONTENT (5)								
8. ORGANIC CARBON CONTENT (5)								
9. SIZE ANALYSIS AND STATISTICAL MEASURES								

[illegible]

27. REMARKS: 7

5:7 ITEMS 11-26 DETERMINED IN THE LAB.

THE CORE CONTAINED DARK STREAKS FROM 0-10 AND 120-124 INCHES.

Sediment Type	Clayey Silt
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Sediment Type	Pebbly Sand

1. SAMPLE NUMBER	66-119-2 CONTINUED	5. SAMPLE TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3087		
10. SUBSAMPLE DEPTH IN CORE (m.)	96-98		
11. COLOR	Dark Gray (5Y 4/1)		
12. ODR			
13. WET DENSITY (lb./ft. ³)			
14. RIDGEAGE (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)	8.40	CO ₂	CO ₂
b. -2 _φ to -1 _φ (%)	2	SH ₂	SH ₂
c. -1 _φ to 0 _φ (%)	6.27	MC	MC
d. 0 _φ to 1 _φ (%)	3	FI ₂	FI ₂
e. 1 _φ to 2 _φ (%)	0.1	FI ₁	FI ₁
f. 2 _φ to 3 _φ (%)			
g. 3 _φ to 4 _φ (%)	20		
h. 4 _φ to 5 _φ (%)	35		
i. 5 _φ to 6 _φ (%)	43		
j. > 6 _φ (%)	216		
20. SUBSAMPLE DRY WEIGHT (gm)	2414		
21. SPECIFICITY (avg.)			
22. plasticity plasticity	High		
23. shrinkage shrinkage	0		
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

Sediment Type: Clayey Silt

1. SAMPLE NUMBER	66-120-1		
2. LATITUDE	44 13 22 N		
3. LONGITUDE	68 53 56 W		
4. DATE (day, month, year)	9 September 1969		
5. LABORATORY NUMBERS	4915		
6. WATER DEPTH (m.)	26.7		
11. COLOR	Olive Gray 8Y4/1		
12. ODR			
13. WET DENSITY (lb./ft. ³)			
14. RIDGEAGE (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)		CO ₂	CO ₂
b. -2 _φ to -1 _φ (%)		SH ₂	SH ₂
c. -1 _φ to 0 _φ (%)	8.88	MC	MC
d. 0 _φ to 1 _φ (%)	0.1	FI ₂	FI ₂
e. 1 _φ to 2 _φ (%)	0.3	FI ₁	FI ₁
f. 2 _φ to 3 _φ (%)			
g. 3 _φ to 4 _φ (%)			
h. 4 _φ to 5 _φ (%)	17		
i. 5 _φ to 6 _φ (%)	42		
j. > 6 _φ (%)	40		
20. SUBSAMPLE DRY WEIGHT (gm)	1436		
21. SPECIFICITY (avg.)			
22. plasticity plasticity	High		
23. shrinkage shrinkage	0		
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS: Items 11-22 determined in the lab			

Sediment Type: Clayey Silt

1. SAMPLE NUMBER	66-120-2				Kullenberg			
2. LATITUDE	44	13	22	N	6. WATER DEPTH (m.)	26.7		
3. LONGITUDE	68	53	56	W	7. CORE LENGTH (in.)	126		
4. DATE (day, month, year)	9 September 1959				8. CORE PENETRATION (in.)	134		
5. LABORATORY NUMBERS	4041				9. DATE (day, month, year)	4042	4043	4044
10. SUBSAMPLE DEPTH IN CORE (in.)	0-2				10. SUBSAMPLE DEPTH IN CORE (in.)	22-24	46-48	70-72
11. COLOR	Olive Gray 5141				11. COLOR	Olive Gray 5141	Olive Gray 5141	Olive Gray 5141
12. OTHER					12. OTHER			
13. WET DENSITY (lb./ft. ³)					13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)					14. RIGIDITY (mm)			
15. MINIMUM POROSITY (%)					15. MINIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)					16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)					17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)					18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES								
a. < 2 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	b. < 2 _φ to -1 _φ (%)	34 _φ	34 _φ	34 _φ
c. -1 _φ to 0 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	d. 0 _φ to 1 _φ (%)	10 _φ	10 _φ	10 _φ
e. 1 _φ to 2 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	f. 2 _φ to 3 _φ (%)	10 _φ	10 _φ	10 _φ
g. 3 _φ to 4 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	h. 4 _φ to 5 _φ (%)	10 _φ	10 _φ	10 _φ
i. 5 _φ to 6 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	j. > 6 _φ (%)	10 _φ	10 _φ	10 _φ
20. SUBSAMPLE DRY WEIGHT (gm)	12.27	15.86	11.78	10.30	21. SPECIFIC (avg.)	1.47	1.47	1.47
22. MINERALOGY (from X-ray)	Al-sil	Al-sil	Al-sil	Al-sil	23. MINERALOGY (from X-ray)	Al-sil	Al-sil	Al-sil
24. DOMINANT MINERAL (%)	0	0	0	0	25. SECONDARY MINERAL (%)	0	0	0
26. OTHER MINERALS (%)					27. REMARKS: Items 11-26 determined in the lab			

Numerous dark streaks in the first 46 inches.

1. SAMPLE NUMBER	66-120-2 continued				5. SAMPLER TYPE			
2. LATITUDE					6. WATER DEPTH (m.)			
3. LONGITUDE					7. CORE LENGTH (in.)			
4. DATE (day, month, year)					8. CORE PENETRATION (in.)			
9. LABORATORY NUMBERS	4045				9. DATE (day, month, year)	4046	4047	4047
10. SUBSAMPLE DEPTH IN CORE (in.)	94-96				10. SUBSAMPLE DEPTH IN CORE (in.)	128-130	124-126	124-126
11. COLOR	Olive Gray 5141				11. COLOR	Olive Gray 5141	Olive Gray 5141	Olive Gray 5141
12. OTHER					12. OTHER			
13. WET DENSITY (lb./ft. ³)					13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)					14. RIGIDITY (mm)			
15. MINIMUM POROSITY (%)					15. MINIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)					16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)					17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)					18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES								
a. < 2 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	b. < 2 _φ to -1 _φ (%)	34 _φ	34 _φ	34 _φ
c. -1 _φ to 0 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	d. 0 _φ to 1 _φ (%)	10 _φ	10 _φ	10 _φ
e. 1 _φ to 2 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	f. 2 _φ to 3 _φ (%)	10 _φ	10 _φ	10 _φ
g. 3 _φ to 4 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	h. 4 _φ to 5 _φ (%)	10 _φ	10 _φ	10 _φ
i. 5 _φ to 6 _φ (%)	10 _φ	10 _φ	10 _φ	10 _φ	j. > 6 _φ (%)	10 _φ	10 _φ	10 _φ
20. SUBSAMPLE DRY WEIGHT (gm)	12.68	14.60	14.60	12.61	21. SPECIFIC (avg.)	1.47	1.47	1.47
22. MINERALOGY (from X-ray)	Al-sil	Al-sil	Al-sil	Al-sil	23. MINERALOGY (from X-ray)	Al-sil	Al-sil	Al-sil
24. DOMINANT MINERAL (%)	0	0	0	0	25. SECONDARY MINERAL (%)	0	0	0
26. OTHER MINERALS (%)					27. REMARKS: Items 11-26 determined in the lab			

Sediment Type Clayey Silt Clayey Silt Clayey Silt

1. SAMPLE NUMBER	65-122-1	2. LATITUDE	44° 07' 39" N	3. LONGITUDE	69° 01' 58" W	4. DATE (day, month, year)	14 September, 1959	5. GRAVITY NUMBER	210	6. WATER DEPTH (m.)	25.0	7. COLOR	Olive Gray 5341
8. SUBSAMPLE DEPTH IN CORE (m.)		9. WATER DEPTH (m.)	52.4	10. CORE LENGTH (m.)	126	11. CORE PENETRATION (m.)	156	12. CORE NUMBER	3907	13. CORE DEPTH (m.)	48.50	14. CORE COLOR	Dark Yellowish Brown (1018 412)
15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)		17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SIZE ANALYSIS AND STATISTICAL MEASURES		20. SUBSAMPLE DRY WEIGHT (gm)	44.88	21. SPECIFICITY (ENR)	Plasticity
22. TEMPERATURE (°C)		23. SPECTROSCOPIC INDEX		24. DOMINANT MINERAL (%)		25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)		27. REMARKS	Items 11-26 determined in the lab	28. GRAVITY NUMBER	210
29. GRAVITY NUMBER		30. GRAVITY NUMBER		31. GRAVITY NUMBER		32. GRAVITY NUMBER		33. GRAVITY NUMBER		34. GRAVITY NUMBER		35. GRAVITY NUMBER	

The sample was composed of fine-grained siliceous crust with pebbles sand, silt and clay.

1. SAMPLE NUMBER	65-123-1	2. LATITUDE	52° 41' 26.1	3. LONGITUDE	69° 01' 52.4	4. DATE (day, month, year)	14 SEPTEMBER 1959	5. GRAVITY NUMBER	3906	6. WATER DEPTH (m.)	48.50	7. CORE LENGTH (m.)	126	8. CORE PENETRATION (m.)	156	9. GRAVITY NUMBER	3907	10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	11. CORE COLOR	Dark Yellowish Brown (1018 412)												
12. CORE NUMBER		13. CORE DEPTH (m.)	48.50	14. CORE COLOR	Dark Yellowish Brown (1018 412)	15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)		17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SIZE ANALYSIS AND STATISTICAL MEASURES		20. SUBSAMPLE DRY WEIGHT (gm)	18.24	21. SPECIFICITY (ENR)	High	22. TEMPERATURE (°C)	High	23. SPECTROSCOPIC INDEX	0	24. DOMINANT MINERAL (%)	0	25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)		27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB	28. GRAVITY NUMBER	3908
29. GRAVITY NUMBER		30. GRAVITY NUMBER		31. GRAVITY NUMBER		32. GRAVITY NUMBER		33. GRAVITY NUMBER		34. GRAVITY NUMBER		35. GRAVITY NUMBER		36. GRAVITY NUMBER		37. GRAVITY NUMBER		38. GRAVITY NUMBER		39. GRAVITY NUMBER		40. GRAVITY NUMBER		41. GRAVITY NUMBER		42. GRAVITY NUMBER		43. GRAVITY NUMBER		44. GRAVITY NUMBER		45. GRAVITY NUMBER	

Are streaks were scattered throughout the core. Core appears uniform

1. SAMPLE NUMBER	66-123-1: CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3910		
10. SUBSAMPLE DEPTH IN CORE (m.)	96-98	124-126	
11. COLOR	Dark yellowish (10/64 4/2)	Dark yellowish (10/64 4/2)	
12. ODOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. $< 2\phi$ (%)	00 ₂	00 ₂	00 ₂
b. -2ϕ to -1ϕ (%)	38 ₂	38 ₂	38 ₂
c. -1ϕ to 0ϕ (%)	ML 839	ML 847	ML 847
d. 0ϕ to 1ϕ (%)	1 01 ₂ 6.44	1 01 ₂ 6.51	01 ₂
e. 1ϕ to 2ϕ (%)	00 ₂	00 ₂	00 ₂
f. 2ϕ to 3ϕ (%)			
g. 3ϕ to 4ϕ (%)	19	18	
h. 4ϕ to 5ϕ (%)	38	38	
i. 5ϕ to 6ϕ (%)	42	43	
j. $> 6\phi$ (%)	1636	2466	
20. SUBSAMPLE DRY WEIGHT (mg)			
21. SPHERICITY (avg.)			
22. POHRETT-W Plasticity	High	High	
23. SHAPIRO-W Plasticity	0	0	
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

Sediment Type: CLAYEY SILT

1. SAMPLE NUMBER	66-124-1	
2. LATITUDE	44 10 19 N	
3. LONGITUDE	69 01 45 W	
4. DATE (day, month, year)	14 September 1969	
5. LABORATORY NUMBERS	4917	
6. WATER DEPTH (m.)	29.5	
7. COLOR	Olive Black 5YR 1/1	
8. ODOR		
9. WET DENSITY (lb./ft ³)		
10. RIGIDITY (mm)		
11. MAXIMUM POROSITY (%)		
12. MINIMUM POROSITY (%)		
13. WATER CONTENT (%)		
14. ORGANIC CARBON CONTENT (%)		
15. SIZE ANALYSIS AND STATISTICAL MEASURES		
a. $< 2\phi$ (%)	00 ₂	00 ₂
b. -2ϕ to -1ϕ (%)		38 ₂
c. -1ϕ to 0ϕ (%)		ML 868
d. 0ϕ to 1ϕ (%)		01 ₂ 766
e. 1ϕ to 2ϕ (%)	2	00 ₂
f. 2ϕ to 3ϕ (%)		
g. 3ϕ to 4ϕ (%)		
h. 4ϕ to 5ϕ (%)	9	
i. 5ϕ to 6ϕ (%)	44	
j. $> 6\phi$ (%)	45	
20. SUBSAMPLE DRY WEIGHT (mg)		
21. SPHERICITY (avg.)		
22. POHRETT-W Plasticity	High	
23. SHAPIRO-W Plasticity	Shell Ca	0
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab		

Sediment Type: Clayey Silt

1. SAMPLE NUMBER	66-24-2	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 10' N	6. WATER DEPTH (m.)	25.3
3. LONGITUDE	69° 01' W	7. CORE LENGTH (m.)	126
4. DATE (day, month, year)	14 SEPTEMBER 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS	3912	9. CORE PENETRATION (m.)	3913
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	41-50
11. CORE	DRY GRAY DARK HUMIC BROWN (10% 4/2)	11. CORE	DRY HUMIC BROWN (10% 4/2)
12. OTHER		12. OTHER	
13. NET DENSITY (m./l.)		13. NET DENSITY (m./l.)	
14. RESIDUE (m)		14. RESIDUE (m)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 (5)	0.5	0.5	0.5
b. 2 to 10 (5)	54	54	54
c. 10 to 20 (5)	859	859	870
d. 20 to 40 (5)	0.1	0.1	0.1
e. 40 to 60 (5)	206	206	207
f. 60 to 80 (5)	0.1	0.1	0.1
g. 80 to 100 (5)	13	14	11
h. 100 to 200 (5)	39	43	43
i. 200 to 400 (5)	47	43	44
j. 400 to 600 (5)	168	148	174
k. 600 to 800 (5)			
l. 800 to 1000 (5)			
m. 1000 to 2000 (5)			
n. 2000 to 4000 (5)			
o. 4000 to 6000 (5)			
p. 6000 to 8000 (5)			
q. 8000 to 10000 (5)			
r. 10000 to 20000 (5)			
s. 20000 to 40000 (5)			
t. 40000 to 60000 (5)			
u. 60000 to 80000 (5)			
v. 80000 to 100000 (5)			
w. 100000 to 200000 (5)			
x. 200000 to 400000 (5)			
y. 400000 to 600000 (5)			
z. 600000 to 800000 (5)			
aa. 800000 to 1000000 (5)			
ab. 1000000 to 2000000 (5)			
ac. 2000000 to 4000000 (5)			
ad. 4000000 to 6000000 (5)			
ae. 6000000 to 8000000 (5)			
af. 8000000 to 10000000 (5)			
ag. 10000000 to 20000000 (5)			
ah. 20000000 to 40000000 (5)			
ai. 40000000 to 60000000 (5)			
aj. 60000000 to 80000000 (5)			
ak. 80000000 to 100000000 (5)			
al. 100000000 to 200000000 (5)			
am. 200000000 to 400000000 (5)			
an. 400000000 to 600000000 (5)			
ao. 600000000 to 800000000 (5)			
ap. 800000000 to 1000000000 (5)			
aq. 1000000000 to 2000000000 (5)			
ar. 2000000000 to 4000000000 (5)			
as. 4000000000 to 6000000000 (5)			
at. 6000000000 to 8000000000 (5)			
au. 8000000000 to 10000000000 (5)			
av. 10000000000 to 20000000000 (5)			
aw. 20000000000 to 40000000000 (5)			
ax. 40000000000 to 60000000000 (5)			
ay. 60000000000 to 80000000000 (5)			
az. 80000000000 to 100000000000 (5)			
ba. 100000000000 to 200000000000 (5)			
bb. 200000000000 to 400000000000 (5)			
bc. 400000000000 to 600000000000 (5)			
bd. 600000000000 to 800000000000 (5)			
be. 800000000000 to 1000000000000 (5)			
bf. 1000000000000 to 2000000000000 (5)			
bg. 2000000000000 to 4000000000000 (5)			
bh. 4000000000000 to 6000000000000 (5)			
bi. 6000000000000 to 8000000000000 (5)			
bj. 8000000000000 to 10000000000000 (5)			
bk. 10000000000000 to 20000000000000 (5)			
bl. 20000000000000 to 40000000000000 (5)			
bm. 40000000000000 to 60000000000000 (5)			
bn. 60000000000000 to 80000000000000 (5)			
bo. 80000000000000 to 100000000000000 (5)			
bp. 100000000000000 to 200000000000000 (5)			
bq. 200000000000000 to 400000000000000 (5)			
br. 400000000000000 to 600000000000000 (5)			
bs. 600000000000000 to 800000000000000 (5)			
bt. 800000000000000 to 1000000000000000 (5)			
bu. 1000000000000000 to 2000000000000000 (5)			
bv. 2000000000000000 to 4000000000000000 (5)			
bv. 4000000000000000 to 6000000000000000 (5)			
bw. 6000000000000000 to 8000000000000000 (5)			
bx. 8000000000000000 to 10000000000000000 (5)			
by. 10000000000000000 to 20000000000000000 (5)			
bz. 20000000000000000 to 40000000000000000 (5)			
ca. 40000000000000000 to 60000000000000000 (5)			
cb. 60000000000000000 to 80000000000000000 (5)			
cc. 80000000000000000 to 100000000000000000 (5)			
cd. 100000000000000000 to 200000000000000000 (5)			
ce. 200000000000000000 to 400000000000000000 (5)			
cf. 400000000000000000 to 600000000000000000 (5)			
cg. 600000000000000000 to 800000000000000000 (5)			
ch. 800000000000000000 to 1000000000000000000 (5)			
ci. 1000000000000000000 to 2000000000000000000 (5)			
cj. 2000000000000000000 to 4000000000000000000 (5)			
ck. 4000000000000000000 to 6000000000000000000 (5)			
cl. 6000000000000000000 to 8000000000000000000 (5)			
cm. 8000000000000000000 to 10000000000000000000 (5)			
cn. 10000000000000000000 to 20000000000000000000 (5)			
co. 20000000000000000000 to 40000000000000000000 (5)			
cp. 40000000000000000000 to 60000000000000000000 (5)			
cq. 60000000000000000000 to 80000000000000000000 (5)			
cr. 80000000000000000000 to 100000000000000000000 (5)			
cs. 100000000000000000000 to 200000000000000000000 (5)			
ct. 200000000000000000000 to 400000000000000000000 (5)			
cu. 400000000000000000000 to 600000000000000000000 (5)			
cv. 600000000000000000000 to 800000000000000000000 (5)			
cw. 800000000000000000000 to 1000000000000000000000 (5)			
cx. 1000000000000000000000 to 2000000000000000000000 (5)			
cy. 2000000000000000000000 to 4000000000000000000000 (5)			
cz. 4000000000000000000000 to 6000000000000000000000 (5)			
ca. 6000000000000000000000 to 8000000000000000000000 (5)			
cb. 8000000000000000000000 to 10000000000000000000000 (5)			
cc. 10000000000000000000000 to 20000000000000000000000 (5)			
cd. 20000000000000000000000 to 40000000000000000000000 (5)			
ce. 40000000000000000000000 to 60000000000000000000000 (5)			
cf. 60000000000000000000000 to 80000000000000000000000 (5)			
cg. 80000000000000000000000 to 100000000000000000000000 (5)			
ch. 100000000000000000000000 to 200000000000000000000000 (5)			
ci. 200000000000000000000000 to 400000000000000000000000 (5)			
cj. 400000000000000000000000 to 600000000000000000000000 (5)			
ck. 600000000000000000000000 to 800000000000000000000000 (5)			
cl. 800000000000000000000000 to 1000000000000000000000000 (5)			
cm. 1000000000000000000000000 to 2000000000000000000000000 (5)			
cn. 2000000000000000000000000 to 4000000000000000000000000 (5)			
co. 4000000000000000000000000 to 6000000000000000000000000 (5)			
cp. 6000000000000000000000000 to 8000000000000000000000000 (5)			
cq. 8000000000000000000000000 to 10000000000000000000000000 (5)			
cr. 10000000000000000000000000 to 20000000000000000000000000 (5)			
cs. 20000000000000000000000000 to 40000000000000000000000000 (5)			
ct. 40000000000000000000000000 to 60000000000000000000000000 (5)			
cu. 60000000000000000000000000 to 80000000000000000000000000 (5)			
cv. 80000000000000000000000000 to 100000000000000000000000000 (5)			
cw. 100000000000000000000000000 to 200000000000000000000000000 (5)			
cx. 200000000000000000000000000 to 400000000000000000000000000 (5)			
cy. 400000000000000000000000000 to 600000000000000000000000000 (5)			
cz. 600000000000000000000000000 to 800000000000000000000000000 (5)			
ca. 800000000000000000000000000 to 1000000000000000000000000000 (5)			
cb. 1000000000000000000000000000 to 2000000000000000000000000000 (5)			
cc. 2000000000000000000000000000 to 4000000000000000000000000000 (5)			
cd. 4000000000000000000000000000 to 6000000000000000000000000000 (5)			
ce. 6000000000000000000000000000 to 8000000000000000000000000000 (5)			
cf. 8000000000000000000000000000 to 10000000000000000000000000000 (5)			
cg. 10000000000000000000000000000 to 20000000000000000000000000000 (5)			
ch. 20000000000000000000000000000 to 40000000000000000000000000000 (5)			
ci. 40000000000000000000000000000 to 60000000000000000000000000000 (5)			
cj. 60000000000000000000000000000 to 80000000000000000000000000000 (5)			
ck. 80000000000000000000000000000 to 100000000000000000000000000000 (5)			
cl. 100000000000000000000000000000 to 200000000000000000000000000000 (5)			
cm. 200000000000000000000000000000 to 400000000000000000000000000000 (5)			
cn. 400000000000000000000000000000 to 600000000000000000000000000000 (5)			
co. 600000000000000000000000000000 to 800000000000000000000000000000 (5)			
cp. 800000000000000000000000000000 to 1000000000000000000000000000000 (5)			
cq. 1000000000000000000000000000000 to 2000000000000000000000000000000 (5)			
cr. 2000000000000000000000000000000 to 4000000000000000000000000000000 (5)			
cs. 4000000000000000000000000000000 to 6000000000000000000000000000000 (5)			
ct. 6000000000000000000000000000000 to 8000000000000000000000000000000 (5)			
cu. 8000000000000000000000000000000 to 10000000000000000000000000000000 (5)			
cv. 10000000000000000000000000000000 to 20000000000000000000000000000000 (5)			
cw. 20000000000000000000000000000000 to 40000000000000000000000000000000 (5)			
cx. 40000000000000000000000000000000 to 60000000000000000000000000000000 (5)			
cy. 60000000000000000000000000000000 to 80000000000000000000000000000000 (5)			
cz. 80000000000000000000000000000000 to 100000000000000000000000000000000 (5)			
ca. 100000000000000000000000000000000 to 200000000000000000000000000000000 (5)			
cb. 200000000000000000000000000000000 to 400000000000000000000000000000000 (5)			
cc. 400000000000000000000000000000000 to 600000000000000000000000000000000 (5)			
cd. 600000000000000000000000000000000 to 800000000000000000000000000000000 (5)			
ce. 800000000000000000000000000000000 to 1000000000000000000000000000000000 (5)			
cf. 1000000000000000000000000000000000 to 2000000000000000000000000000000000 (5)			
cg. 2000000000000000000000000000000000 to 4000000000000000000000000000000000 (5)			
ch. 4000000000000000000000000000000000 to 6000000000000000000000000000000000 (5)			
ci. 6000000000000000000000000000000000 to 8000000000000000000000000000000000 (5)			
cj. 8000000000000000000000000000000000 to 10000000000000000000000000000000000 (5)			
ck. 10000000000000000000000000000000000 to 20000000000000000000000000000000000 (5)			
cl. 20000000000000000000000000000000000 to 40000000000000000000000000000000000 (5)			
cm. 40000000000000000000000000000000000 to 60000000000000000000000000000000000 (5)			
cn. 60000000000000000000000000000000000 to 80000000000000000000000000000000000 (5)			
co. 80000000000000000000000000000000000 to 100000000000000000000000000000000000 (5)			
cp. 100000000000000000000000000000000000 to 20000000000000000			

1. SAMPLE NUMBER	66-124-2 - CONT
2. LATITUDE	44° 13' 24" N
3. LONGITUDE	69° 01' 31" W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBERS	3989 *
6. SUBSAMPLE DEPTH IN CORE (m.)	122 - 126
7. CORE LENGTH (m.)	Blue Gneiss (56' 41")
8. CORE PENETRATION (m.)	
9. DATE (Day, month, year)	
10. SUBSAMPLE DEPTH IN CORE (m.)	
11. COLOR	
12. DOOR	
13. NET DENSITY (lb./ft ³)	
14. FUGIDENCE (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $x_1 - x_2$ (s)	0.0 ₁
b. $x_1 - x_2$ to -1 (s)	56 ₁
c. $x_1 - x_2$ to 0 ₁ (s)	ME, 793
d. 0 ₁ to 1 ₁ (s)	1 0 ₁ 740
e. 1 ₁ to 2 ₁ (s)	0 ₁
f. 2 ₁ to 3 ₁ (s)	
g. 3 ₁ to 4 ₁ (s)	
h. 4 ₁ to 5 ₁ (s)	12
i. 5 ₁ to 6 ₁ (s)	39
j. $\Sigma \Phi_1$ (s)	47
20. SUBSAMPLE DRY WEIGHT (gm)	16.83
21. SPECIFICITY (vol.)	
22. MINIMUM PLASTICITY	High
23. SUBSAMPLE DEPTH $\Sigma \Phi_1$ / $\Sigma \Phi_1$	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS:	

SEDIMENT TYPE: CLAYEY SILT

1. SAMPLE NUMBER	66-126-1
2. LATITUDE	44° 13' 24" N
3. LONGITUDE	69° 01' 31" W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBERS	4918
6. SUBSAMPLE DEPTH IN CORE (m.)	126.7
7. CORE LENGTH (m.)	
8. CORE PENETRATION (m.)	
9. DATE (Day, month, year)	
10. SUBSAMPLE DEPTH IN CORE (m.)	
11. COLOR	Olive Gray 5141, Olive Black 6211
12. DOOR	foul
13. NET DENSITY (lb./ft ³)	
14. FUGIDENCE (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $x_1 - x_2$ (s)	0.0 ₁ 1.84
b. $x_1 - x_2$ to -1 (s)	56 ₁ 40.16
c. $x_1 - x_2$ to 0 ₁ (s)	ME, 524
d. 0 ₁ to 1 ₁ (s)	1 0 ₁ 3.56
e. 1 ₁ to 2 ₁ (s)	3 0 ₁ 7.90
f. 2 ₁ to 3 ₁ (s)	9
g. 3 ₁ to 4 ₁ (s)	22
h. 4 ₁ to 5 ₁ (s)	20
i. 5 ₁ to 6 ₁ (s)	21
j. $\Sigma \Phi_1$ (s)	23
20. SUBSAMPLE DRY WEIGHT (gm)	33.87
21. SPECIFICITY (vol.)	
22. MINIMUM PLASTICITY	Med.
23. SUBSAMPLE DEPTH $\Sigma \Phi_1$ / $\Sigma \Phi_1$	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS:	Items 11-26 determined in the lab

SEDIMENT TYPE: Silty Mud

1. SAMPLE NUMBER	66-126-2
2. LATITUDE	44° 13' 24" N
3. LONGITUDE	69° 01' 31" W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBERS	3712 *
6. SUBSAMPLE DEPTH IN CORE (m.)	12 - 214
7. CORE LENGTH (m.)	214 - 514
8. CORE PENETRATION (m.)	?
9. DATE (Day, month, year)	
10. SUBSAMPLE DEPTH IN CORE (m.)	
11. COLOR	Dark Greenish (56' 41")
12. DOOR	
13. NET DENSITY (lb./ft ³)	
14. FUGIDENCE (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. $x_1 - x_2$ (s)	0.0 ₁
b. $x_1 - x_2$ to -1 (s)	56 ₁
c. $x_1 - x_2$ to 0 ₁ (s)	ME, 835
d. 0 ₁ to 1 ₁ (s)	1 0 ₁ 6.55
e. 1 ₁ to 2 ₁ (s)	0 ₁
f. 2 ₁ to 3 ₁ (s)	
g. 3 ₁ to 4 ₁ (s)	18
h. 4 ₁ to 5 ₁ (s)	16
i. 5 ₁ to 6 ₁ (s)	41
j. $\Sigma \Phi_1$ (s)	40
20. SUBSAMPLE DRY WEIGHT (gm)	38.75
21. SPECIFICITY (vol.)	
22. MINIMUM PLASTICITY	High
23. SUBSAMPLE DEPTH $\Sigma \Phi_1$ / $\Sigma \Phi_1$	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS:	Items 11-26 determined in the lab

SEDIMENT TYPE: CLAYEY SILT

1. SAMPLE NUMBER	66-126-2 - CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABS/PORT NUMBERS	3706*	3707*	3708*
10. SUBSAMPLE DEPTH IN CORE (m.)	10-12	22-24	31-32
11. COLOR	Medium Dark Grey	Medium Dark Grey	Medium Dark Grey
12. DOOR			
13. NET DENSITY (lb./ft ³)			
14. RESIDUE (%)			
15. MAXIMUM PROBABILITY (%)			
16. MINIMUM PROBABILITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. $\bar{x} \pm s_x$ (%)	8.13	8.16	7.40
b. $\bar{x} \pm s_x$ to \bar{x}_1 (%)	1	1	1
c. \bar{x}_1 to \bar{x}_2 (%)	1	1	1
d. \bar{x}_2 to \bar{x}_3 (%)	1	1	1
e. \bar{x}_3 to \bar{x}_4 (%)	1	1	1
f. \bar{x}_4 to \bar{x}_5 (%)	1	1	1
g. \bar{x}_5 to \bar{x}_6 (%)	1	1	1
h. \bar{x}_6 to \bar{x}_7 (%)	1	1	1
i. \bar{x}_7 to \bar{x}_8 (%)	1	1	1
j. \bar{x}_8 to \bar{x}_9 (%)	1	1	1
k. \bar{x}_9 to \bar{x}_{10} (%)	1	1	1
l. \bar{x}_{10} to \bar{x}_{11} (%)	1	1	1
m. \bar{x}_{11} to \bar{x}_{12} (%)	1	1	1
n. \bar{x}_{12} to \bar{x}_{13} (%)	1	1	1
o. \bar{x}_{13} to \bar{x}_{14} (%)	1	1	1
p. \bar{x}_{14} to \bar{x}_{15} (%)	1	1	1
q. \bar{x}_{15} to \bar{x}_{16} (%)	1	1	1
r. \bar{x}_{16} to \bar{x}_{17} (%)	1	1	1
s. \bar{x}_{17} to \bar{x}_{18} (%)	1	1	1
t. \bar{x}_{18} to \bar{x}_{19} (%)	1	1	1
u. \bar{x}_{19} to \bar{x}_{20} (%)	1	1	1
v. \bar{x}_{20} to \bar{x}_{21} (%)	1	1	1
w. \bar{x}_{21} to \bar{x}_{22} (%)	1	1	1
x. \bar{x}_{22} to \bar{x}_{23} (%)	1	1	1
y. \bar{x}_{23} to \bar{x}_{24} (%)	1	1	1
z. \bar{x}_{24} to \bar{x}_{25} (%)	1	1	1
aa. \bar{x}_{25} to \bar{x}_{26} (%)	1	1	1
ab. \bar{x}_{26} to \bar{x}_{27} (%)	1	1	1
ac. \bar{x}_{27} to \bar{x}_{28} (%)	1	1	1
ad. \bar{x}_{28} to \bar{x}_{29} (%)	1	1	1
ae. \bar{x}_{29} to \bar{x}_{30} (%)	1	1	1
af. \bar{x}_{30} to \bar{x}_{31} (%)	1	1	1
ag. \bar{x}_{31} to \bar{x}_{32} (%)	1	1	1
ah. \bar{x}_{32} to \bar{x}_{33} (%)	1	1	1
ai. \bar{x}_{33} to \bar{x}_{34} (%)	1	1	1
aj. \bar{x}_{34} to \bar{x}_{35} (%)	1	1	1
ak. \bar{x}_{35} to \bar{x}_{36} (%)	1	1	1
al. \bar{x}_{36} to \bar{x}_{37} (%)	1	1	1
am. \bar{x}_{37} to \bar{x}_{38} (%)	1	1	1
an. \bar{x}_{38} to \bar{x}_{39} (%)	1	1	1
ao. \bar{x}_{39} to \bar{x}_{40} (%)	1	1	1
ap. \bar{x}_{40} to \bar{x}_{41} (%)	1	1	1
aq. \bar{x}_{41} to \bar{x}_{42} (%)	1	1	1
ar. \bar{x}_{42} to \bar{x}_{43} (%)	1	1	1
as. \bar{x}_{43} to \bar{x}_{44} (%)	1	1	1
at. \bar{x}_{44} to \bar{x}_{45} (%)	1	1	1
au. \bar{x}_{45} to \bar{x}_{46} (%)	1	1	1
av. \bar{x}_{46} to \bar{x}_{47} (%)	1	1	1
aw. \bar{x}_{47} to \bar{x}_{48} (%)	1	1	1
ax. \bar{x}_{48} to \bar{x}_{49} (%)	1	1	1
ay. \bar{x}_{49} to \bar{x}_{50} (%)	1	1	1
az. \bar{x}_{50} to \bar{x}_{51} (%)	1	1	1
ba. \bar{x}_{51} to \bar{x}_{52} (%)	1	1	1
bb. \bar{x}_{52} to \bar{x}_{53} (%)	1	1	1
bc. \bar{x}_{53} to \bar{x}_{54} (%)	1	1	1
bd. \bar{x}_{54} to \bar{x}_{55} (%)	1	1	1
be. \bar{x}_{55} to \bar{x}_{56} (%)	1	1	1
bf. \bar{x}_{56} to \bar{x}_{57} (%)	1	1	1
bg. \bar{x}_{57} to \bar{x}_{58} (%)	1	1	1
bh. \bar{x}_{58} to \bar{x}_{59} (%)	1	1	1
bi. \bar{x}_{59} to \bar{x}_{60} (%)	1	1	1
bj. \bar{x}_{60} to \bar{x}_{61} (%)	1	1	1
bk. \bar{x}_{61} to \bar{x}_{62} (%)	1	1	1
bl. \bar{x}_{62} to \bar{x}_{63} (%)	1	1	1
bm. \bar{x}_{63} to \bar{x}_{64} (%)	1	1	1
bn. \bar{x}_{64} to \bar{x}_{65} (%)	1	1	1
bo. \bar{x}_{65} to \bar{x}_{66} (%)	1	1	1
bp. \bar{x}_{66} to \bar{x}_{67} (%)	1	1	1
bq. \bar{x}_{67} to \bar{x}_{68} (%)	1	1	1
br. \bar{x}_{68} to \bar{x}_{69} (%)	1	1	1
bs. \bar{x}_{69} to \bar{x}_{70} (%)	1	1	1
bt. \bar{x}_{70} to \bar{x}_{71} (%)	1	1	1
bu. \bar{x}_{71} to \bar{x}_{72} (%)	1	1	1
bv. \bar{x}_{72} to \bar{x}_{73} (%)	1	1	1
bw. \bar{x}_{73} to \bar{x}_{74} (%)	1	1	1
bx. \bar{x}_{74} to \bar{x}_{75} (%)	1	1	1
by. \bar{x}_{75} to \bar{x}_{76} (%)	1	1	1
bz. \bar{x}_{76} to \bar{x}_{77} (%)	1	1	1
ca. \bar{x}_{77} to \bar{x}_{78} (%)	1	1	1
cb. \bar{x}_{78} to \bar{x}_{79} (%)	1	1	1
cc. \bar{x}_{79} to \bar{x}_{80} (%)	1	1	1
cd. \bar{x}_{80} to \bar{x}_{81} (%)	1	1	1
ce. \bar{x}_{81} to \bar{x}_{82} (%)	1	1	1
cf. \bar{x}_{82} to \bar{x}_{83} (%)	1	1	1
cg. \bar{x}_{83} to \bar{x}_{84} (%)	1	1	1
ch. \bar{x}_{84} to \bar{x}_{85} (%)	1	1	1
ci. \bar{x}_{85} to \bar{x}_{86} (%)	1	1	1
cj. \bar{x}_{86} to \bar{x}_{87} (%)	1	1	1
ck. \bar{x}_{87} to \bar{x}_{88} (%)	1	1	1
cl. \bar{x}_{88} to \bar{x}_{89} (%)	1	1	1
cm. \bar{x}_{89} to \bar{x}_{90} (%)	1	1	1
cn. \bar{x}_{90} to \bar{x}_{91} (%)	1	1	1
co. \bar{x}_{91} to \bar{x}_{92} (%)	1	1	1
cp. \bar{x}_{92} to \bar{x}_{93} (%)	1	1	1
cq. \bar{x}_{93} to \bar{x}_{94} (%)	1	1	1
cr. \bar{x}_{94} to \bar{x}_{95} (%)	1	1	1
cs. \bar{x}_{95} to \bar{x}_{96} (%)	1	1	1
ct. \bar{x}_{96} to \bar{x}_{97} (%)	1	1	1
cu. \bar{x}_{97} to \bar{x}_{98} (%)	1	1	1
cv. \bar{x}_{98} to \bar{x}_{99} (%)	1	1	1
cw. \bar{x}_{99} to \bar{x}_{100} (%)	1	1	1
cx. \bar{x}_{100} to \bar{x}_{101} (%)	1	1	1
cy. \bar{x}_{101} to \bar{x}_{102} (%)	1	1	1
cz. \bar{x}_{102} to \bar{x}_{103} (%)	1	1	1
ca. \bar{x}_{103} to \bar{x}_{104} (%)	1	1	1
cb. \bar{x}_{104} to \bar{x}_{105} (%)	1	1	1
cc. \bar{x}_{105} to \bar{x}_{106} (%)	1	1	1
cd. \bar{x}_{106} to \bar{x}_{107} (%)	1	1	1
ce. \bar{x}_{107} to \bar{x}_{108} (%)	1	1	1
cf. \bar{x}_{108} to \bar{x}_{109} (%)	1	1	1
cg. \bar{x}_{109} to \bar{x}_{110} (%)	1	1	1
ch. \bar{x}_{110} to \bar{x}_{111} (%)	1	1	1
ci. \bar{x}_{111} to \bar{x}_{112} (%)	1	1	1
cj. \bar{x}_{112} to \bar{x}_{113} (%)	1	1	1
ck. \bar{x}_{113} to \bar{x}_{114} (%)	1	1	1
cl. \bar{x}_{114} to \bar{x}_{115} (%)	1	1	1
cm. \bar{x}_{115} to \bar{x}_{116} (%)	1	1	1
cn. \bar{x}_{116} to \bar{x}_{117} (%)	1	1	1
co. \bar{x}_{117} to \bar{x}_{118} (%)	1	1	1
cp. \bar{x}_{118} to \bar{x}_{119} (%)	1	1	1
cq. \bar{x}_{119} to \bar{x}_{120} (%)	1	1	1
cr. \bar{x}_{120} to \bar{x}_{121} (%)	1	1	1
cs. \bar{x}_{121} to \bar{x}_{122} (%)	1	1	1
ct. \bar{x}_{122} to \bar{x}_{123} (%)	1	1	1
cu. \bar{x}_{123} to \bar{x}_{124} (%)	1	1	1
cv. \bar{x}_{124} to \bar{x}_{125} (%)	1	1	1
cw. \bar{x}_{125} to \bar{x}_{126} (%)	1	1	1
cx. \bar{x}_{126} to \bar{x}_{127} (%)	1	1	1
cy. \bar{x}_{127} to \bar{x}_{128} (%)	1	1	1
cz. \bar{x}_{128} to \bar{x}_{129} (%)	1	1	1
ca. \bar{x}_{129} to \bar{x}_{130} (%)	1	1	1
cb. \bar{x}_{130} to \bar{x}_{131} (%)	1	1	1
cc. \bar{x}_{131} to \bar{x}_{132} (%)	1	1	1
cd. \bar{x}_{132} to \bar{x}_{133} (%)	1	1	1
ce. \bar{x}_{133} to \bar{x}_{134} (%)	1	1	1
cf. \bar{x}_{134} to \bar{x}_{135} (%)	1	1	1
cg. \bar{x}_{135} to \bar{x}_{136} (%)	1	1	1
ch. \bar{x}_{136} to \bar{x}_{137} (%)	1	1	1
ci. \bar{x}_{137} to \bar{x}_{138} (%)	1	1	1
cj. \bar{x}_{138} to \bar{x}_{139} (%)	1	1	1
ck. \bar{x}_{139} to \bar{x}_{140} (%)	1	1	1
cl. \bar{x}_{140} to \bar{x}_{141} (%)	1	1	1
cm. \bar{x}_{141} to \bar{x}_{142} (%)	1	1	1
cn. \bar{x}_{142} to \bar{x}_{143} (%)	1	1	1
co. \bar{x}_{143} to \bar{x}_{144} (%)	1	1	1
cp. \bar{x}_{144} to \bar{x}_{145} (%)	1	1	1
cq. \bar{x}_{145} to \bar{x}_{146} (%)	1	1	1
cr. \bar{x}_{146} to \bar{x}_{147} (%)	1	1	1
cs. \bar{x}_{147} to \bar{x}_{148} (%)	1	1	1
ct. \bar{x}_{148} to \bar{x}_{149} (%)	1	1	1
cu. \bar{x}_{149} to \bar{x}_{150} (%)	1	1	1
cv. \bar{x}_{150} to \bar{x}_{151} (%)	1	1	1
cw. \bar{x}_{151} to \bar{x}_{152} (%)	1	1	1
cx. \bar{x}_{152} to \bar{x}_{153} (%)	1	1	1
cy. \bar{x}_{153} to \bar{x}_{154} (%)	1	1	1
cz. \bar{x}_{154} to \bar{x}_{155} (%)	1	1	1
ca. \bar{x}_{155} to \bar{x}_{156} (%)	1	1	1
cb. \bar{x}_{156} to \bar{x}_{157} (%)	1	1	1
cc. \bar{x}_{157} to \bar{x}_{158} (%)	1	1	1
cd. \bar{x}_{158} to \bar{x}_{159} (%)	1	1	1
ce. \bar{x}_{159} to \bar{x}_{160} (%)	1	1	1
cf. \bar{x}_{160} to \bar{x}_{161} (%)	1	1	1
cg. \bar{x}_{161} to \bar{x}_{162} (%)	1	1	1
ch. \bar{x}_{162} to \bar{x}_{163} (%)	1	1	1
ci. \bar{x}_{163} to \bar{x}_{164} (%)	1	1	1
cj. \bar{x}_{164} to \bar{x}_{165} (%)	1	1	1
ck. \bar{x}_{165} to \bar{x}_{166} (%)	1	1	1
cl. \bar{x}_{166} to \bar{x}_{167} (%)	1	1	1
cm. \bar{x}_{167} to \bar{x}_{168} (%)	1	1	1
cn. \bar{x}_{168} to \bar{x}_{169} (%)	1	1	1
co. \bar{x}_{169} to \bar{x}_{170} (%)	1	1	1
cp. \bar{x}_{170} to \bar{x}_{171} (%)	1	1	1
cq. \bar{x}_{171} to \bar{x}_{172} (%)	1	1	1
cr. \bar{x}_{172} to \bar{x}_{173} (%)	1	1	1
cs. \bar{x}_{173} to \bar{x}_{174} (%)	1	1	1
ct. \bar{x}_{174} to \bar{x}_{175} (%)	1	1	1
cu. \bar{x}_{175} to \bar{x}_{176} (%)	1	1	1
cv. \bar{x}_{176} to \bar{x}_{177} (%)	1	1	1
cw. \bar{x}_{177} to \bar{x}_{178} (%)	1	1	1
cx. \bar{x}_{178} to \bar{x}_{179} (%)	1	1	1
cy. \bar{x}_{179} to \bar{x}_{180} (%)	1	1	1
cz. \bar{x}_{180} to \bar{x}_{181} (%)	1	1	1
ca. \bar{x}_{181} to \bar{x}_{182} (%)	1	1	1
cb. \bar{x}_{182} to \bar{x}_{183} (%)	1	1	1
cc. \bar{x}_{183} to \bar{x}_{184} (%)	1	1	1
cd. \bar{x}_{184} to \bar{x}_{185} (%)	1	1	1
ce. \bar{x}_{185} to \bar{x}_{186} (%)	1	1	1
cf. \bar{x}_{186} to \bar{x}_{187} (%)	1	1	1
cg. \bar{x}_{187} to \bar{x}_{188} (%)	1	1	1
ch. \bar{x}_{188} to \bar{x}_{189} (%)	1	1	1
ci. \bar{x}_{189} to \bar{x}_{190} (%)	1	1	1
cj. \bar{x}_{190} to \bar{x}_{191} (%)	1	1	1
ck. \bar{x}_{191} to \bar{x}_{192} (%)	1	1	1
cl. \bar{x}_{192} to \bar{x}_{193} (%)	1	1	1
cm. \bar{x}_{193} to \bar{x}_{194} (%)	1	1	1
cn. \bar{x}_{194} to \bar{x}_{195} (%)	1	1	1
co. \bar{x}_{195} to \bar{x}_{196} (%)	1	1	1
cp. \bar{x}_{196} to \bar{x}_{197} (%)	1	1	1
cq. \bar{x}_{197} to \bar{x}_{198} (%)	1	1	1
cr. \bar{x}_{198} to \bar{x}_{199} (%)	1	1	1
cs. \bar{x}_{199} to \bar{x}_{200} (%)	1	1	1
ct. \bar{x}_{200} to \bar{x}_{201} (%)	1	1	1
cu. \bar{x}_{201} to \bar{x}_{202} (%)	1	1	1
cv. \bar{x}_{202} to \bar{x}_{203} (%)	1	1	1
cw. \bar{x}_{203} to \bar{x}_{204} (%)	1	1	1
cx. \bar{x}_{204} to \bar{x}_{205} (%)	1	1	1
cy. \bar{x}_{205} to \bar{x}_{206} (%)	1	1	1
cz. \bar{x}_{206} to \bar{x}_{207} (%)	1	1	1
ca. \bar{x}_{207} to \bar{x}_{208} (%)	1	1	1
cb. \bar{x}_{208} to \bar{x}_{209} (%)	1	1	1
cc. \bar{x}_{209} to \bar{x}_{210} (%)	1	1	1
cd.			

1. SAMPLE NUMBER	66-127-1	5. SAMPLER TYPE	MULLERBERG
2. LATITUDE	44° 13' 18" N	5. WATER DEPTH (m.)	29.2
3. LONGITUDE	68° 59' 46" W	7. CORE LENGTH (m.)	126
4. DATE (mo., month, year)	SEPTEMBER 1959	8. CORE PRESERVATION (m.)	156
9. LABORATORY NUMBERS	3833 #		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	White Gray (SV 4)		
12. DOOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. $\bar{x} \pm 2s$ (%)			
b. $\bar{x} \pm 2s$ to $-1s$ (%)			
c. $-1s$ to $0s$ (%)			
d. $0s$ to $1s$ (%)			
e. $1s$ to $2s$ (%)			
f. $2s$ to $3s$ (%)			
g. $3s$ to $4s$ (%)			
h. $4s$ to $5s$ (%)			
i. $5s$ to $6s$ (%)			
j. $6s$ to $7s$ (%)			
k. $7s$ to $8s$ (%)			
l. $8s$ to $9s$ (%)			
m. $9s$ to $10s$ (%)			
n. $10s$ to $11s$ (%)			
o. $11s$ to $12s$ (%)			
p. $12s$ to $13s$ (%)			
q. $13s$ to $14s$ (%)			
r. $14s$ to $15s$ (%)			
s. $15s$ to $16s$ (%)			
t. $16s$ to $17s$ (%)			
u. $17s$ to $18s$ (%)			
v. $18s$ to $19s$ (%)			
w. $19s$ to $20s$ (%)			
x. $20s$ to $21s$ (%)			
y. $21s$ to $22s$ (%)			
z. $22s$ to $23s$ (%)			
aa. $23s$ to $24s$ (%)			
ab. $24s$ to $25s$ (%)			
ac. $25s$ to $26s$ (%)			
ad. $26s$ to $27s$ (%)			
ae. $27s$ to $28s$ (%)			
af. $28s$ to $29s$ (%)			
ag. $29s$ to $30s$ (%)			
ah. $30s$ to $31s$ (%)			
ai. $31s$ to $32s$ (%)			
aj. $32s$ to $33s$ (%)			
ak. $33s$ to $34s$ (%)			
al. $34s$ to $35s$ (%)			
am. $35s$ to $36s$ (%)			
an. $36s$ to $37s$ (%)			
ao. $37s$ to $38s$ (%)			
ap. $38s$ to $39s$ (%)			
aq. $39s$ to $40s$ (%)			
ar. $40s$ to $41s$ (%)			
as. $41s$ to $42s$ (%)			
at. $42s$ to $43s$ (%)			
au. $43s$ to $44s$ (%)			
av. $44s$ to $45s$ (%)			
aw. $45s$ to $46s$ (%)			
ax. $46s$ to $47s$ (%)			
ay. $47s$ to $48s$ (%)			
az. $48s$ to $49s$ (%)			
ba. $49s$ to $50s$ (%)			
bb. $50s$ to $51s$ (%)			
bc. $51s$ to $52s$ (%)			
bd. $52s$ to $53s$ (%)			
be. $53s$ to $54s$ (%)			
bf. $54s$ to $55s$ (%)			
bg. $55s$ to $56s$ (%)			
bh. $56s$ to $57s$ (%)			
bi. $57s$ to $58s$ (%)			
bj. $58s$ to $59s$ (%)			
bk. $59s$ to $60s$ (%)			
bl. $60s$ to $61s$ (%)			
bm. $61s$ to $62s$ (%)			
bn. $62s$ to $63s$ (%)			
bo. $63s$ to $64s$ (%)			
bp. $64s$ to $65s$ (%)			
bq. $65s$ to $66s$ (%)			
br. $66s$ to $67s$ (%)			
bs. $67s$ to $68s$ (%)			
bt. $68s$ to $69s$ (%)			
bu. $69s$ to $70s$ (%)			
bv. $70s$ to $71s$ (%)			
bw. $71s$ to $72s$ (%)			
bx. $72s$ to $73s$ (%)			
by. $73s$ to $74s$ (%)			
bz. $74s$ to $75s$ (%)			
ca. $75s$ to $76s$ (%)			
cb. $76s$ to $77s$ (%)			
cc. $77s$ to $78s$ (%)			
cd. $78s$ to $79s$ (%)			
ce. $79s$ to $80s$ (%)			
cf. $80s$ to $81s$ (%)			
cg. $81s$ to $82s$ (%)			
ch. $82s$ to $83s$ (%)			
ci. $83s$ to $84s$ (%)			
cj. $84s$ to $85s$ (%)			
ck. $85s$ to $86s$ (%)			
cl. $86s$ to $87s$ (%)			
cm. $87s$ to $88s$ (%)			
cn. $88s$ to $89s$ (%)			
co. $89s$ to $90s$ (%)			
cp. $90s$ to $91s$ (%)			
cq. $91s$ to $92s$ (%)			
cr. $92s$ to $93s$ (%)			
cs. $93s$ to $94s$ (%)			
ct. $94s$ to $95s$ (%)			
cu. $95s$ to $96s$ (%)			
cv. $96s$ to $97s$ (%)			
cw. $97s$ to $98s$ (%)			
cx. $98s$ to $99s$ (%)			
cy. $99s$ to $100s$ (%)			
ca. $100s$ to $101s$ (%)			
cb. $101s$ to $102s$ (%)			
cc. $102s$ to $103s$ (%)			
cd. $103s$ to $104s$ (%)			
ce. $104s$ to $105s$ (%)			
cf. $105s$ to $106s$ (%)			
cg. $106s$ to $107s$ (%)			
ch. $107s$ to $108s$ (%)			
ci. $108s$ to $109s$ (%)			
cj. $109s$ to $110s$ (%)			
ck. $110s$ to $111s$ (%)			
cl. $111s$ to $112s$ (%)			
cm. $112s$ to $113s$ (%)			
cn. $113s$ to $114s$ (%)			
co. $114s$ to $115s$ (%)			
cp. $115s$ to $116s$ (%)			
cq. $116s$ to $117s$ (%)			
cr. $117s$ to $118s$ (%)			
cs. $118s$ to $119s$ (%)			
ct. $119s$ to $120s$ (%)			
cu. $120s$ to $121s$ (%)			
cv. $121s$ to $122s$ (%)			
cw. $122s$ to $123s$ (%)			
cx. $123s$ to $124s$ (%)			
cy. $124s$ to $125s$ (%)			
ca. $125s$ to $126s$ (%)			
cb. $126s$ to $127s$ (%)			
cc. $127s$ to $128s$ (%)			
cd. $128s$ to $129s$ (%)			
ce. $129s$ to $130s$ (%)			
cf. $130s$ to $131s$ (%)			
cg. $131s$ to $132s$ (%)			
ch. $132s$ to $133s$ (%)			
ci. $133s$ to $134s$ (%)			
cj. $134s$ to $135s$ (%)			
ck. $135s$ to $136s$ (%)			
cl. $136s$ to $137s$ (%)			
cm. $137s$ to $138s$ (%)			
cn. $138s$ to $139s$ (%)			
co. $139s$ to $140s$ (%)			
cp. $140s$ to $141s$ (%)			
cq. $141s$ to $142s$ (%)			
cr. $142s$ to $143s$ (%)			
cs. $143s$ to $144s$ (%)			
ct. $144s$ to $145s$ (%)			
cu. $145s$ to $146s$ (%)			
cv. $146s$ to $147s$ (%)			
cw. $147s$ to $148s$ (%)			
cx. $148s$ to $149s$ (%)			
cy. $149s$ to $150s$ (%)			
ca. $150s$ to $151s$ (%)			
cb. $151s$ to $152s$ (%)			
cc. $152s$ to $153s$ (%)			
cd. $153s$ to $154s$ (%)			
ce. $154s$ to $155s$ (%)			
cf. $155s$ to $156s$ (%)			
cg. $156s$ to $157s$ (%)			
ch. $157s$ to $158s$ (%)			
ci. $158s$ to $159s$ (%)			
cj. $159s$ to $160s$ (%)			
ck. $160s$ to $161s$ (%)			
cl. $161s$ to $162s$ (%)			
cm. $162s$ to $163s$ (%)			
cn. $163s$ to $164s$ (%)			
co. $164s$ to $165s$ (%)			
cp. $165s$ to $166s$ (%)			
cq. $166s$ to $167s$ (%)			
cr. $167s$ to $168s$ (%)			
cs. $168s$ to $169s$ (%)			
ct. $169s$ to $170s$ (%)			
cu. $170s$ to $171s$ (%)			
cv. $171s$ to $172s$ (%)			
cw. $172s$ to $173s$ (%)			
cx. $173s$ to $174s$ (%)			
cy. $174s$ to $175s$ (%)			
ca. $175s$ to $176s$ (%)			
cb. $176s$ to $177s$ (%)			
cc. $177s$ to $178s$ (%)			
cd. $178s$ to $179s$ (%)			
ce. $179s$ to $180s$ (%)			
cf. $180s$ to $181s$ (%)			
cg. $181s$ to $182s$ (%)			
ch. $182s$ to $183s$ (%)			
ci. $183s$ to $184s$ (%)			
cj. $184s$ to $185s$ (%)			
ck. $185s$ to $186s$ (%)			
cl. $186s$ to $187s$ (%)			
cm. $187s$ to $188s$ (%)			
cn. $188s$ to $189s$ (%)			
co. $189s$ to $190s$ (%)			
cp. $190s$ to $191s$ (%)			
cq. $191s$ to $192s$ (%)			
cr. $192s$ to $193s$ (%)			
cs. $193s$ to $194s$ (%)			
ct. $194s$ to $195s$ (%)			
cu. $195s$ to $196s$ (%)			
cv. $196s$ to $197s$ (%)			
cw. $197s$ to $198s$ (%)			
cx. $198s$ to $199s$ (%)			
cy. $199s$ to $200s$ (%)			
ca. $200s$ to $201s$ (%)			
cb. $201s$ to $202s$ (%)			
cc. $202s$ to $203s$ (%)			
cd. $203s$ to $204s$ (%)			
ce. $204s$ to $205s$ (%)			
cf. $205s$ to $206s$ (%)			
cg. $206s$ to $207s$ (%)			
ch. $207s$ to $208s$ (%)			
ci. $208s$ to $209s$ (%)			
cj. $209s$ to $210s$ (%)			
ck. $210s$ to $211s$ (%)			
cl. $211s$ to $212s$ (%)			
cm. $212s$ to $213s$ (%)			
cn. $213s$ to $214s$ (%)			
co. $214s$ to $215s$ (%)			
cp. $215s$ to $216s$ (%)			
cq. $216s$ to $217s$ (%)			
cr. $217s$ to $218s$ (%)			
cs. $218s$ to $219s$ (%)			
ct. $219s$ to $220s$ (%)			
cu. $220s$ to $221s$ (%)			
cv. $221s$ to $222s$ (%)			
cw. $222s$ to $223s$ (%)			
cx. $223s$ to $224s$ (%)			
cy. $224s$ to $225s$ (%)			
ca. $225s$ to $226s$ (%)			
cb. $226s$ to $227s$ (%)			
cc. $227s$ to $228s$ (%)			
cd. $228s$ to $229s$ (%)			
ce. $229s$ to $230s$ (%)			
cf. $230s$ to $231s$ (%)			
cg. $231s$ to $232s$ (%)			
ch. $232s$ to $233s$ (%)			
ci. $233s$ to $234s$ (%)			
cj. $234s$ to $235s$ (%)			
ck. $235s$ to $236s$ (%)			
cl. $236s$ to $237s$ (%)			
cm. $237s$ to $238s$ (%)			
cn. $238s$ to $239s$ (%)			
co. $239s$ to $240s$ (%)			
cp. $240s$ to $241s$ (%)			
cq. $241s$ to $242s$ (%)			
cr. $242s$ to $243s$ (%)			
cs. $243s$ to $244s$ (%)			
ct. $244s$ to $245s$ (%)			
cu. $245s$ to $246s$ (%)			
cv. $246s$ to $247s$ (%)			
cw. $247s$ to $248s$ (%)			
cx. $248s$ to $249s$ (%)			
cy. $249s$ to $250s$ (%)			
ca. $250s$ to $251s$ (%)			
cb. $251s$ to $252s$ (%)			
cc. $252s$ to $253s$ (%)			

1. SAMPLE NUMBER	66-128-1
2. LATITUDE	44 15 N
3. LONGITUDE	68 59 56 W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBERS	4419
6. WATER DEPTH (m.)	25.6
11. COLOR	Olive Gray 5411
12. DOOR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 ϕ (%)	2
b. < 2 ϕ to -1 ϕ (%)	3
c. -1 ϕ to 0 ϕ (%)	3
d. 0 ϕ to 1 ϕ (%)	2
e. 1 ϕ to 2 ϕ (%)	6
f. 2 ϕ to 3 ϕ (%)	10
g. 3 ϕ to 4 ϕ (%)	1
h. 4 ϕ to 5 ϕ (%)	24
i. 5 ϕ to 6 ϕ (%)	23
j. > 6 ϕ (%)	26
20. DISPERSE DRY WEIGHT (cm)	26.0
21. SPECIFIC (LOW.)	
22. SHRINKAGE Plasticity	Med.
23. SHRINKAGE Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-20 determined in the lab	

Sediment Type Silty Mud

1. SAMPLE NUMBER	66-129-1
2. LATITUDE	44 16 N
3. LONGITUDE	68 58 03 W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBERS	4420
6. WATER DEPTH (m.)	24.7
11. COLOR	Olive Black 5411
12. DOOR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 ϕ (%)	3
b. < 2 ϕ to -1 ϕ (%)	1
c. -1 ϕ to 0 ϕ (%)	1
d. 0 ϕ to 1 ϕ (%)	1
e. 1 ϕ to 2 ϕ (%)	3
f. 2 ϕ to 3 ϕ (%)	6
g. 3 ϕ to 4 ϕ (%)	6
h. 4 ϕ to 5 ϕ (%)	20
i. 5 ϕ to 6 ϕ (%)	26
j. > 6 ϕ (%)	8
20. DISPERSE DRY WEIGHT (cm)	26.14
21. SPECIFIC (LOW.)	
22. SHRINKAGE Plasticity	High
23. SHRINKAGE Plasticity	19
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-20 determined in the lab	

Sediment Type Silty Mud

1. SAMPLE NUMBER	66-129-2
2. LATITUDE	44 16 N
3. LONGITUDE	68 58 03 W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBERS	3912
6. WATER DEPTH (m.)	39.4
11. COLOR	Olive Gray (5411) Mud Bank Bottom Gray (56 41)
12. DOOR	
13. WET DENSITY (lb./ft. ³)	
14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 ϕ (%)	24
b. < 2 ϕ to -1 ϕ (%)	3
c. -1 ϕ to 0 ϕ (%)	4
d. 0 ϕ to 1 ϕ (%)	5
e. 1 ϕ to 2 ϕ (%)	5
f. 2 ϕ to 3 ϕ (%)	7
g. 3 ϕ to 4 ϕ (%)	7
h. 4 ϕ to 5 ϕ (%)	15
i. 5 ϕ to 6 ϕ (%)	16
j. > 6 ϕ (%)	15
20. DISPERSE DRY WEIGHT (cm)	51.36
21. SPECIFIC (LOW.)	
22. SHRINKAGE Plasticity	Low
23. SHRINKAGE Plasticity	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-20 DETERMINED IN THE LAB. 0-5 inches - All Organic and Greenish gray mud. 5-82 " Many lenses of sticky blue clay.	

Sediment Type Silty Mud

1. SAMPLE NUMBER	66-129-2 : CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (in.)	
4. DATE (day, month, year)		8. CORE PENETRATION (in.)	
9. LABORATORY NUMBERS	3916 3917 3918 * 3919		
10. SUBSAMPLE DEPTH IN CORE (in.)	40-42 42-44 44-46 46-48		
11. COLOR	Dark Gray (5Y 4/1) Dark Gray (5Y 4/2) Dark Gray (5Y 4/2) Dark Gray (5Y 4/2)		
12. ODRS			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM PROSITY (%)			
16. MINIMUM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_{-20} (%)	2 100.286 5 100.342 17 100.385		
b. ϕ_{-40} (%)	3 100.333 3 100.342 3 100.342		
c. ϕ_{-60} (%)	4 100.344 3 100.344 3 100.344		
d. ϕ_{-80} (%)	5 100.278 4 100.342 4 100.342		
e. ϕ_{-100} (%)	6 100.871 5 100.342 5 100.342		
f. ϕ_{-200} (%)	7 5 6 5 5		
g. ϕ_{-400} (%)	9 6 7 9		
h. ϕ_{-600} (%)	19 20 20 17		
i. ϕ_{-800} (%)	22 22 23 20		
j. ϕ_{-1000} (%)	22 22 22 21		
20. SUBSAMPLE DRY WEIGHT (mg)	32.56 35.18 25.17 42.58		
21. SPECIFICITY (mg)			
22. MINIMUM PLASTICITY	Med. Med. Med.		
23. SUBSAMPLE PLASTICITY	0 0 0 0		
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	* sample contained dark streaks. 78-82" black layers 78-79" layer of gray clay.		
SEDIMENT TYPE	Silty Mud Silty Mud Silty Mud Silty Mud		

1. SAMPLE NUMBER	66-130-1	5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44 17	5. WATER DEPTH (m.)	26.7
3. LONGITUDE	68 57	7. CORE LENGTH (in.)	91(2)
4. DATE (day, month, year)	14 September 1969	8. CORE PENETRATION (in.)	132
9. LABORATORY NUMBERS	4022 4023 4024 4025		
10. SUBSAMPLE DEPTH IN CORE (in.)	5-7 13-15 15-17 19-21		
11. COLOR	Medium Dark Gray * Medium Dark Gray N ₁ Medium Olive Brown 5M4#		
12. ODRS			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM PROSITY (%)			
16. MINIMUM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_{-20} (%)	10 100.823 1 100.823 1 100.823		
b. ϕ_{-40} (%)	1 101.638 1 101.638 1 101.638		
c. ϕ_{-60} (%)	1 101.638 1 101.638 1 101.638		
d. ϕ_{-80} (%)	1 101.638 1 101.638 1 101.638		
e. ϕ_{-100} (%)	1 101.638 1 101.638 1 101.638		
f. ϕ_{-200} (%)	1 101.638 1 101.638 1 101.638		
g. ϕ_{-400} (%)	1 101.638 1 101.638 1 101.638		
h. ϕ_{-600} (%)	1 101.638 1 101.638 1 101.638		
i. ϕ_{-800} (%)	1 101.638 1 101.638 1 101.638		
j. ϕ_{-1000} (%)	1 101.638 1 101.638 1 101.638		
20. SUBSAMPLE DRY WEIGHT (mg)	28.94 28.94 28.94 28.94		
21. SPECIFICITY (mg)			
22. MINIMUM PLASTICITY	High High High High		
23. SUBSAMPLE PLASTICITY	0 0 0 0		
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	Items 11-26 determined in the lab Composition of mud Soft gray mud with black streaks Gray and olive mud with granules Gray and olive mud		
SEDIMENT TYPE	Clayey Silt Clayey Silt Clayey Silt Clayey Silt		

1. SAMPLE NUMBER	66-130-1 continued	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (in.)	
4. DATE (day, month, year)		8. CORE PENETRATION (in.)	
9. LABORATORY NUMBERS	4076* 30-32 32-34	4077 48-52 48-52	4079 58-60 58-60
10. SUBSAMPLE DEPTH IN CORE (in.)			
11. COLOR	Olive Gray 5Y4/6 Medium Dark Gray N4	Olive Gray 5Y4/6 Medium Dark Gray N4	Olive Gray 5Y4/6 Medium Dark Gray N4
12. MOOR			
13. NET DENSITY (lb./ft. ³)			
14. BULK DENSITY (lb./ft. ³)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPECIFIC GRAVITY			
22. SUBSTRATE			
23. SUBSTRATE-TESTING TIME (Sec/100 gm.)			
24. DRY WEIGHT (lb.)			
25. SECONDARY MINERALS (%)			
26. OTHER MINERALS (%)			

27. REMARKS (continued)	
28. COMMENTS	Composition Gray mud with numerous dark bands and streaks Soft area of olive brown clay Hard, broken clay
29. SEDIMENT TYPE	Clayey Silt Clayey Silt Clayey Silt Silty Mud

1. SAMPLE NUMBER	66-130-1 continued	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (in.)	
4. DATE (day, month, year)		8. CORE PENETRATION (in.)	
9. LABORATORY NUMBERS	4080 60-62	4081 72-74	4082 88-91(2)
10. SUBSAMPLE DEPTH IN CORE (in.)			
11. COLOR	Olive Gray 5Y4/6 Moderate Olive Brown 5Y4/4	Olive Gray 5Y4/6 5Y4/4	Olive Gray 5Y4/6 5Y4/4
12. MOOR			
13. NET DENSITY (lb./ft. ³)			
14. BULK DENSITY (lb./ft. ³)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPECIFIC GRAVITY			
22. SUBSTRATE			
23. SUBSTRATE-TESTING TIME (Sec/100 gm.)			
24. DRY WEIGHT (lb.)			
25. SECONDARY MINERALS (%)			
26. OTHER MINERALS (%)			

27. REMARKS (continued)	
28. COMMENTS	Composition Soft olive clay Mostly clayey silt with occasional areas of clay The top 27 inches of the core maybe missing. The depth recordings may actually be 27 inches off. Dark streaks
29. SEDIMENT TYPE	Silty Mud Silty Sand Silty Sand

1. SAMPLE NUMBER	66-129-2 - CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3916	3917	3918 *
10. SUBSAMPLE DEPTH IN CORE (m.)	40-42	20-22	20-22
11. COLOR	Over Gray (5Y 4/1)	Over Gray (5Y 4/1)	Over Gray (5Y 3/2)
12. ODOR			
13. WET DENSITY (lb./ft. ³)			
14. RIDGEAGE (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	2	10 ₂ 296	5
b. 2 ₅ to 1 ₀ (%)	3	14.33	3
c. 1 ₀ to 0 ₁ (%)	4	MS. 541	3
d. 0 ₁ to 1 ₀ (%)	5	01.278	4
e. 1 ₀ to 2 ₅ (%)	6	03.871	5
f. 2 ₅ to 3 ₀ (%)	7		5
g. 3 ₀ to 4 ₀ (%)	9		7
h. 4 ₀ to 5 ₀ (%)	19		20
i. 5 ₀ to 6 ₀ (%)	22		23
j. > 6 ₀ (%)	22		22
20. SUBSAMPLE DRY WEIGHT (mg)	3256	3518	4258
21. SPECIFICITY (mg)			
22. PLASTICITY	Med.	Med.	Med.
23. SHrinkage (mm/100mm)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	* Sample contained dark streaks. 72-82 black layers 78-79 layer of gray clay.		
SEDIMENT TYPE	Silty Mud	Silty Mud	Silty Mud
			10/17/76 PROFILES

1. SAMPLE NUMBER	66-130-1	5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44° 17'	5. WATER DEPTH (m.)	26.7
3. LONGITUDE	68° 57'	7. CORE LENGTH (m.)	91(2)
4. DATE (day, month, year)	14 September 1959	8. CORE PENETRATION (m.)	132
9. LABORATORY NUMBERS		4023	4074
10. SUBSAMPLE DEPTH IN CORE (m.)		5-7	13-15
11. COLOR	Medium Dark Gray # N4	Medium Dark Gray # N4	Olive Gray 5Y 4/1 Medium Dark Gray N4 Brown Olive
12. ODOR			
13. WET DENSITY (lb./ft. ³)			
14. RIDGEAGE (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)		10	8
b. 2 ₅ to 1 ₀ (%)		MS. 780	1
c. 1 ₀ to 0 ₁ (%)		01.638	1
d. 0 ₁ to 1 ₀ (%)		01.572	1
e. 1 ₀ to 2 ₅ (%)		03	2
f. 2 ₅ to 3 ₀ (%)			2
g. 3 ₀ to 4 ₀ (%)			2
h. 4 ₀ to 5 ₀ (%)		8	26
i. 5 ₀ to 6 ₀ (%)		42	32
j. > 6 ₀ (%)		38	40
20. SUBSAMPLE DRY WEIGHT (mg)		21.94	13.83
21. SPECIFICITY (mg)			22.94
22. PLASTICITY	High	High	Med
23. SHrinkage (mm/100mm)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	11-20 determined in the lab composition Very loose, decomposed mud Soft, gray mud with black streaks Gray and olive mud with granules Gray and olive mud		
SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-130-1 continued			
2. LATITUDE				
3. LONGITUDE				
4. DATE (Day, month, year)				
5. LABORATORY NUMBERS	4076*	4077	4078	4079
6. SUBSAMPLE DEPTH IN CORE (in.)	30-32	32-34	48-52	58-60
7. COLOR	Olive Gray silt, Medium Dark Gray NT	Olive Gray silt, Medium Dark Gray NT	Olive Gray silt, Medium Dark Gray NT	Olive Gray silt, Medium Dark Gray NT
8. MOOR				
9. NET DENSITY (lb./ft ³)				
10. RIGIDNESS (cm)				
11. MAXIMUM POROSITY (%)				
12. MINIMUM POROSITY (%)				
13. WATER CONTENT (%)				
14. ORGANIC CARBON CONTENT (%)				
15. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. 1-2 φ (s)		00.	00.	00.
b. 2-4 φ (s)		34	34	34
c. 4-6 φ (s)		44	44	44
d. 6-8 φ (s)		01.	01.	01.
e. 8-10 φ (s)		03.	03.	03.
f. 10-12 φ (s)				
g. 12-14 φ (s)				
h. 14-16 φ (s)				
i. 16-18 φ (s)				
j. 18-20 φ (s)				
20. SUBSAMPLE DRY WEIGHT (gm)	20.77	32.90	26.19	23.64
21. SPECIFIC (dry)				
22. WATER-TO-SOLIDS RATIO Plasticity	Med.	Med.	Med.	Med.
23. SHRINKAGE Plasticity	0	0	0	0
24. DRYFRACT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. SHRINKAGE continued				
28. SHRINKAGE continued				
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88. SHRINKAGE continued				
89. SHRINKAGE continued				
90. SHRINKAGE continued				

Composition	
Gray mud with numerous dark bands and streaks	
Silty area of olive brown clay	
Hard, broken clay	
Sediment Type	Clayey Silt Clayey Silt Silty Mud

1. SAMPLE NUMBER	66-130-1 continued	5. SAMPLE TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (in.)	
4. DATE (Day, month, year)		8. CORE PRESERVATION (in.)	
9. LABORATORY NUMBERS	4080	4081	4082
10. SUBSAMPLE DEPTH IN CORE (in.)	60-62	72-74	89-91(2)
11. COLOR	Olive Gray, silt, Medium Dark Gray NT	Olive Gray 514/1	Olive Gray 514/1
12. MOOR			
13. NET DENSITY (lb./ft ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. 1-2 φ (s)	00.	00.	00.
b. 2-4 φ (s)	208	10.	108
c. 4-6 φ (s)	51.	10.98	10.58
d. 6-8 φ (s)	1	1	1
e. 8-10 φ (s)	01.	01.	01.
f. 10-12 φ (s)	02.	02.	02.
g. 12-14 φ (s)	03.	03.	03.
h. 14-16 φ (s)	04.	04.	04.
i. 16-18 φ (s)	05.	05.	05.
j. 18-20 φ (s)	06.	06.	06.
k. 20-22 φ (s)	07.	07.	07.
l. 22-24 φ (s)	08.	08.	08.
m. 24-26 φ (s)	09.	09.	09.
n. 26-28 φ (s)	10.	10.	10.
o. 28-30 φ (s)	11.	11.	11.
20. SUBSAMPLE DRY WEIGHT (gm)	16.11	29.49	31.36
21. SPECIFIC (dry)			
22. WATER-TO-SOLIDS RATIO Plasticity	Low	Low	Med
23. SHRINKAGE Plasticity	0	0	0
24. DRYFRACT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. SHRINKAGE continued			
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1. SAMPLE NUMBER	66-137-1	2. LATITUDE	44° 19'	3. LONGITUDE	68° 55' W	4. DATE (day, month, year)	14 SEPTEMBER 1959	5. SAMPLER TYPE	KULLENBERG	6. WATER DEPTH (m.)	342	7. CORE LENGTH (in.)	124	8. CORE PENETRATION (in.)	132	9. LABORATORY NUMBERS	3891	10. SUBSAMPLE DEPTH IN CORE (in.)	0-2	11. COLOR	DIRC. GREENISH GRAY (S.G. 4.1)	12. DENSITY (IN./CM ³)	2.57	13. WET DENSITY (IN./CM ³)	2.57	14. DRY DENSITY (IN./CM ³)	2.57	15. WATSHORN POROSITY (%)	0	16. MINIMUM POROSITY (%)	0	17. WATER CONTENT (%)	0	18. ORGANIC CARBON CONTENT (%)	0	19. SIZE ANALYSIS (%)	100% < 60 μ	20. DURABLE DRY WEIGHT (gm)	2.57	21. SPHERULITY (mg)	0	22. IMPROVED TOPOGRAPHY	4.5 g	23. MINERAL-TOPOGRAPHY	4.5 g	24. DOMINANT MINERAL (%)	0	25. SECONDARY MINERAL (%)	0	26. OTHER MINERALS (%)	0
1. SAMPLE NUMBER	66-137-1	2. LATITUDE	44° 19'	3. LONGITUDE	68° 55' W	4. DATE (day, month, year)	14 SEPTEMBER 1959	5. SAMPLER TYPE	KULLENBERG	6. WATER DEPTH (m.)	342	7. CORE LENGTH (in.)	124	8. CORE PENETRATION (in.)	132	9. LABORATORY NUMBERS	3891	10. SUBSAMPLE DEPTH IN CORE (in.)	0-2	11. COLOR	DIRC. GREENISH GRAY (S.G. 4.1)	12. DENSITY (IN./CM ³)	2.57	13. WET DENSITY (IN./CM ³)	2.57	14. DRY DENSITY (IN./CM ³)	2.57	15. WATSHORN POROSITY (%)	0	16. MINIMUM POROSITY (%)	0	17. WATER CONTENT (%)	0	18. ORGANIC CARBON CONTENT (%)	0	19. SIZE ANALYSIS (%)	100% < 60 μ	20. DURABLE DRY WEIGHT (gm)	2.57	21. SPHERULITY (mg)	0	22. IMPROVED TOPOGRAPHY	4.5 g	23. MINERAL-TOPOGRAPHY	4.5 g	24. DOMINANT MINERAL (%)	0	25. SECONDARY MINERAL (%)	0	26. OTHER MINERALS (%)	0

27. REMARKS: ITEMS 11-26 DETERMINED IN THE LAB.

* THE SAMPLE CONTAINED DARK STREAKS.

0-8 inches Many dark streaks

8⁰-yellow green, hard clay ball.

Section Type	Clayey Silt
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SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-131-1, CONTINUED			5. SAMPLER TYPE	
2. LATITUDE					
3. LONGITUDE					
4. DATE (day, month, year)					
6. LABORATORY NUMBERS	3994	3975	3976	3977 *	
8. SUBSAMPLE DEPTH IN CORE (in.)	48-50	72-74	94-96	96-98	
9. CORE LENGTH (in.)					
10. CORE PENETRATION (in.)					
11. COLOR	Medium Green Gray (5Y 4/1)	Medium Green Mg	Medium Green Mg	Medium Green Mg	
12. OODR					
13. WET DENSITY (lb./ft. ³)					
14. RICHNESS (mo)					
15. MAXIMUM POROSITY (%)					
16. MINIMUM POROSITY (%)					
17. WATER CONTENT (%)					
18. ORGANIC CARBON CONTENT (%)					
19. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. <-2 _φ (s)	0 ₂	0 ₂	0 ₂	0 ₂	
b. -2 _φ to -1 _φ (s)	5 ₂	5 ₂	5 ₂	5 ₂	
c. -1 _φ to 0 _φ (s)	M ₂ , 8.65	M ₂ , 8.60	M ₂ , 8.62	M ₂ , 8.60	
d. 0 _φ to 1 _φ (s)	2	0 ₁ , 6.78	2	0 ₁ , 6.65	2
e. 1 _φ to 2 _φ (s)	0 ₂	0 ₂	0 ₂	0 ₂	
f. 2 _φ to 3 _φ (s)					
g. 3 _φ to 4 _φ (s)					
h. 4 _φ to 5 _φ (s)	14	14	16	16	
i. 5 _φ to 6 _φ (s)	39	40	37	37	
j. 6 _φ to 7 _φ (s)	45	45	45	45	
j. > 7 _φ (s)					
20. SUBSAMPLE DRY WEIGHT (mg)	241.5	38.85	29.77	38.36	
21. SPHERULITY (mg)					
22. FRICTIONALITY	High	High	High	High	
23. COMMENTS (state from 20 to 22)	0	0	0	0	
24. DOMINANT MINERAL (s)					
25. SECONDARY MINERAL (s)					
26. OTHER MINERALS (s)					
NOTES: none					

27. REMARKS: continued.

8-108 inches - many zones of soft olive gray mud
41 inches - yellow-green hard about 11

beginning at 96 in. many dark layers and some shell.

108-124 in. soft unconsolidated mud.

SEDIMENT TYPE		CLAYEY SILT	CLAYEY SILT
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Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-132-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE	44	56	6. WATER DEPTH (m.)	32.8
3. LONGITUDE	68	14	7. CORE LENGTH (m.)	122
4. DATE (day, month, year)	14 SEPTEMBER 1959		8. CORE PRECIPITATION (m.)	
9. LABORATORY NUMBERS	3878 *			
10. SUBSAMPLE DEPTH IN CORE (m.)	116-118			
11. COLOR	REDDISH BROWN	OLIVE GRAY (SY 41)		
12. CORN				
13. WET DENSITY (lb./ft. ³)				
14. RIGIDNESS (mm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SITE ANALYSIS AND STATISTICAL MEASURES				
a. $\bar{x} \pm 2s$ (%)				
b. $\bar{x} \pm 2s$ to $-1s$ (%)				
c. $-1s$ to $0s$ (%)				
d. $0s$ to $1s$ (%)				
e. $1s$ to $2s$ (%)				
f. $2s$ to $3s$ (%)				
g. $3s$ to $4s$ (%)				
h. $4s$ to $5s$ (%)				
i. $5s$ to $6s$ (%)				
j. $6s$ to $7s$ (%)				
k. $7s$ to $8s$ (%)				
20. SUBSAMPLE DRY WEIGHT (mg)	2275	8335		
21. SPHERICITY (mg.)				
22. MINERALOGY (mm)	High	Low		
23. SHAPE (mm)	0	0		
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS:				

SEDIMENT TYPE CLAYEY SILT CLAYEY SILT

1. SAMPLE NUMBER	66-132-1	5. SAMPLER TYPE	MULLERBERG
2. LATITUDE	44	6. WATER DEPTH (m.)	32.8
3. LONGITUDE	68	7. CORE LENGTH (m.)	122
4. DATE (day, month, year)	14 SEPTEMBER 1959	8. CORE PRECIPITATION (m.)	132
9. LABORATORY NUMBERS	3878 *		
10. SUBSAMPLE DEPTH IN CORE (m.)	11-20		
11. COLOR	OLIVE GRAY (SY 41)	OLIVE GRAY (SY 41)	OLIVE GRAY (SY 41)
12. CORN			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDNESS (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. $\bar{x} \pm 2s$ (%)			
b. $\bar{x} \pm 2s$ to $-1s$ (%)			
c. $-1s$ to $0s$ (%)			
d. $0s$ to $1s$ (%)			
e. $1s$ to $2s$ (%)			
f. $2s$ to $3s$ (%)			
g. $3s$ to $4s$ (%)			
h. $4s$ to $5s$ (%)			
i. $5s$ to $6s$ (%)			
j. $6s$ to $7s$ (%)			
k. $7s$ to $8s$ (%)			
20. SUBSAMPLE DRY WEIGHT (mg)	2060	2483	1875
21. SPHERICITY (mg.)			
22. MINERALOGY (mm)	High	High	High
23. SHAPE (mm)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

ITEMS 11-20 OBTAINED IN THE LAB
0-9 in - many dark streaks and thin black layers
13-107 - Very soft mud.

SEDIMENT TYPE CLAYEY SILT CLAYEY SILT CLAYEY SILT

1. SAMPLE NUMBER	66-132-1 : CONTINUED	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (in.)	
4. DATE (Day, month, year)		6. CORE PENETRATION (in.)	
9. LABORATORY NUMBER	3687	3689 *	3690
10. SUBSAMPLE DEPTH IN CORE (in.)	91-93	93-95	107-109
11. COLOR	OLIVE GRAY (5Y 4/1)	OLIVE GRAY (5Y 4/1)	OLIVE GRAY (5Y 4/1)
12. ODR#			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂₅	0 ₂₅	0 ₂₅
b. -2 ₅ to -1 ₆ (%)	5 ₁₆	5 ₁₆	5 ₁₆
c. -1 ₆ to 0 ₂₅ (%)	M ₆₃ 8.63	M ₆₃ 8.67	M ₆₃ 8.80
d. 0 ₂₅ to 1 ₆ (%)	R 01.665	R 01.665	R 01.709
e. 1 ₆ to 2 ₅ (%)	0 ₂₅	0 ₂₅	0 ₂₅
f. 2 ₅ to 3 ₆ (%)			
g. 3 ₆ to 4 ₆ (%)	16	16	13
h. 4 ₆ to 5 ₁₆ (%)	37	36	38
i. 5 ₁₆ to 9 ₁₆ (%)	45	46	48
j. > 9 ₁₆ (%)	26.89	17.56	21.06
20. SUBSAMPLE DRY WEIGHT (gm)			25.79
21. SPECIFICITY (mg.)			
22. MINIMUM TENSILE PLASTICITY	High	High	High
23. MINIMUM TENSILE PLASTICITY	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS: * Sample contained dark streaks.			
SEGMENT TYPE	CORREY Silt	CORREY Silt	CORREY Silt

1. SAMPLE NUMBER	66-133-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44 22 51 N	5. WATER DEPTH (m.)	11.3
3. LONGITUDE	68 57 09.5 W	7. CORE LENGTH (in.)	127
4. DATE (Day, month, year)	14 SEPTEMBER 1959	8. CORE PENETRATION (in.)	132
9. LABORATORY NUMBER	3680 *	3682	3683
10. SUBSAMPLE DEPTH IN CORE (in.)	0-2	22-24	44-48
11. COLOR	OLIVE GRAY (5Y 3/2)	OLIVE GRAY (5Y 4/1)	OLIVE GRAY (5Y 4/1)
12. ODR#			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂₅	0 ₂₅	0 ₂₅
b. -2 ₅ to -1 ₆ (%)	5 ₁₆	5 ₁₆	5 ₁₆
c. -1 ₆ to 0 ₂₅ (%)	M ₆₃ 8.76	M ₆₃ 8.63	M ₆₃ 8.71
d. 0 ₂₅ to 1 ₆ (%)	1 01.643	1 01.723	1 01.720
e. 1 ₆ to 2 ₅ (%)	0 ₂₅	0 ₂₅	0 ₂₅
f. 2 ₅ to 3 ₆ (%)			
g. 3 ₆ to 4 ₆ (%)	14	10	10
h. 4 ₆ to 5 ₁₆ (%)	39	42	43
i. 5 ₁₆ to 9 ₁₆ (%)	46	47	46
j. > 9 ₁₆ (%)	29.71	18.74	25.40
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPECIFICITY (mg.)			
22. MINIMUM TENSILE PLASTICITY	High	High	High
23. MINIMUM TENSILE PLASTICITY	< 1/2	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS: ITEMS 11-26 DETERMINED IN THE LAB. THE CORE CONTAINED DARK STREAKS IN THE FIRST 4 INCHES. SOME SILL AND WARM BURROWS THROUGHOUT CORE.			
SEGMENT TYPE	CORREY Silt	CORREY Silt	CORREY Silt

1. SAMPLE NUMBER	66-133-1, CONTINUED	5. SAMPLE TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE EXTRACTION (%)	
9. LABORATORY NUMBERS	31054 *	31055 *	
10. SUBSAMPLE DEPTH IN CORE (m.)	98-99	125-127	
11. COLOR	Olive Gray (5Y 4/1)	Olive Gray (5Y 4/1)	
12. ODR			
13. NET DENSITY (lb./ft. ³)			
14. RESISTANCE (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	CO ₂	CO ₂	CO ₂
b. -2 ₅ to -1 ₆ (%)	SK ₂	SK ₂	SK ₂
c. -1 ₆ to -1 ₂ (%)	MS ₂ 8.80	MS ₂ 8.70	MS ₂
d. 0 ₁ to -1 ₂ (%)	0 ₁	0 ₁ 7.14	0 ₁
e. 1 ₂ to 2 ₅ (%)	0 ₂	0 ₂	0 ₂
f. 2 ₅ to 3 ₂ (%)			
g. 3 ₂ to 4 ₆ (%)	12	12	
h. 4 ₆ to 6 ₂ (%)	40	42	
i. 6 ₂ to 8 ₂ (%)	47	45	
j. > 8 ₂ (%)	19.53	17.28	
20. SUBSAMPLE DRY WEIGHT (mg)			
21. SPHERICITY (avg.)			
22. MINIMUM TERNARY PLASTICITY	High	High	
23. SURFACE TERNARY PLASTICITY	0	0	
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	* Sample contained dark streaks.		
SEDIMENT TYPE	Olive Silt	Olive Silt	

1. SAMPLE NUMBER	66-134-2	5. SAMPLE TYPE	
2. LATITUDE	44° 24'	5. WATER DEPTH (m.)	
3. LONGITUDE	68° 57'	7. CORE LENGTH (m.)	
4. DATE (Day, month, year)	14 September 1959	8. CORE EXTRACTION (%)	
9. LABORATORY NUMBERS	4421	31055 *	
10. SUBSAMPLE DEPTH IN CORE (m.)	7-5	125-127	
11. COLOR	Olive Gray (5Y 4/1)	Olive Gray (5Y 4/1)	
12. ODR			
13. NET DENSITY (lb./ft. ³)			
14. RESISTANCE (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	30	100 2.50	
b. -2 ₅ to -1 ₆ (%)	8	MS ₂ 4.43	
c. -1 ₆ to -1 ₂ (%)	7	MS ₂ 0.60	
d. 0 ₁ to -1 ₂ (%)	9	0 ₁ 2.67	
e. 1 ₂ to 2 ₅ (%)	16	0 ₂ 2.33	
f. 2 ₅ to 3 ₂ (%)	9		
g. 3 ₂ to 4 ₆ (%)	1		
h. 4 ₆ to 6 ₂ (%)	2		
i. 6 ₂ to 8 ₂ (%)	9		
j. > 8 ₂ (%)	10		
20. SUBSAMPLE DRY WEIGHT (mg)		140.60	
21. SPHERICITY (avg.)			
22. MINIMUM TERNARY PLASTICITY	Med		
23. SURFACE TERNARY PLASTICITY	Shell Co.	2.12	
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	Items 11-26 determined in the lab		
SEDIMENT TYPE	Babbly Sand	Babbly Sand	

1. SAMPLE NUMBER	66-135-1	5. SAMPLE TYPE	
2. LATITUDE	44° 24'	5. WATER DEPTH (m.)	
3. LONGITUDE	68° 55'	7. CORE LENGTH (m.)	
4. DATE (Day, month, year)	14 September 1959	8. CORE EXTRACTION (%)	
9. LABORATORY NUMBERS	4482	31055 *	
10. SUBSAMPLE DEPTH IN CORE (m.)	12-8	125-127	
11. COLOR	Olive Gray (5Y 4/1)	Olive Gray (5Y 4/1)	
12. ODR			
13. NET DENSITY (lb./ft. ³)			
14. RESISTANCE (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)		0 ₂	
b. -2 ₅ to -1 ₆ (%)		SK ₂	
c. -1 ₆ to -1 ₂ (%)		MS ₂ 8.61	
d. 0 ₁ to -1 ₂ (%)		0 ₁ 7.14	
e. 1 ₂ to 2 ₅ (%)		0 ₂	
f. 2 ₅ to 3 ₂ (%)			
g. 3 ₂ to 4 ₆ (%)			
h. 4 ₆ to 6 ₂ (%)			
i. 6 ₂ to 8 ₂ (%)			
j. > 8 ₂ (%)			
20. SUBSAMPLE DRY WEIGHT (mg)		20.32	
21. SPHERICITY (avg.)			
22. MINIMUM TERNARY PLASTICITY	High		
23. SURFACE TERNARY PLASTICITY	Shell Co.	0	
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	Items 11-26 determined in the lab		
SEDIMENT TYPE	Olive Silt	Olive Silt	

1. SAMPLE NUMBER	66-135-2	5. SAMPLER TYPE	KILLENBERG
2. LATITUDE	44° 24' N	6. WATER DEPTH (m.)	13.0
3. LONGITUDE	68° 53' W	7. CORE LENGTH (m.)	92
4. DATE (day, month, year)	14 SEPTEMBER 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS	3839 *	9. LABORATORY NUMBERS	3840 *
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	22 - 24
11. COLOR	OLIVE GRAY (SV 3/2)	11. COLOR	OLIVE GRAY (SV 4/1)
12. DOP		12. DOP	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)		14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 ₅ (%)	CO ₂	a. < 2 ₅ (%)	CO ₂
b. -2 ₅ to -1 ₅ (%)	SK ₂	b. -2 ₅ to -1 ₅ (%)	SK ₂
c. -1 ₅ to 0 ₁₀ (%)	MS ₂ 878	c. -1 ₅ to 0 ₁₀ (%)	MS ₂ 878
d. 0 ₁₀ to 1 ₅ (%)	0 ₁₀ 725	d. 0 ₁₀ to 1 ₅ (%)	0 ₁₀ 744
e. 1 ₅ to 2 ₅ (%)	0 ₁₀	e. 1 ₅ to 2 ₅ (%)	0 ₁₀
f. 2 ₅ to 3 ₀ (%)		f. 2 ₅ to 3 ₀ (%)	
g. 3 ₀ to 4 ₀ (%)	8	g. 3 ₀ to 4 ₀ (%)	6
h. 4 ₀ to 5 ₀ (%)	44	h. 4 ₀ to 5 ₀ (%)	45
i. 5 ₀ to 6 ₀ (%)	47	i. 5 ₀ to 6 ₀ (%)	45
j. > 6 ₀ (%)		j. > 6 ₀ (%)	47
20. SUBSAMPLE DRY WEIGHT (gm)	1760	20. SUBSAMPLE DRY WEIGHT (gm)	1357
21. SPHERICITY (avg)		21. SPHERICITY (avg)	
22. PLASTICITY	High	22. PLASTICITY	High
23. SHALLOO-TESTING (low shell/low)	0	23. SHALLOO-TESTING (low shell/low)	0
24. INFILTRANT MINERAL (%)		24. INFILTRANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

ITEMS 11-26 DETERMINED IN THE LAB

* THE SAMPLE CONTAINED DARK STREAMS, 0-22 in. dark layers and streaks. Numerous gaps in core - pulled apart.

1. SAMPLE NUMBER	66-135-2	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3842	9. LABORATORY NUMBERS	3843 *
10. SUBSAMPLE DEPTH IN CORE (m.)	68-70	10. SUBSAMPLE DEPTH IN CORE (m.)	90-92
11. COLOR	OLIVE GRAY (SV 4/1)	11. COLOR	OLIVE GRAY (SV 4/2)
12. DOP		12. DOP	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)		14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 ₅ (%)	CO ₂	a. < 2 ₅ (%)	CO ₂
b. -2 ₅ to -1 ₅ (%)	SK ₂	b. -2 ₅ to -1 ₅ (%)	SK ₂
c. -1 ₅ to 0 ₁₀ (%)	MS ₂ 885	c. -1 ₅ to 0 ₁₀ (%)	MS ₂ 878
d. 0 ₁₀ to 1 ₅ (%)	1	d. 0 ₁₀ to 1 ₅ (%)	0 ₁₀ 726
e. 1 ₅ to 2 ₅ (%)	0 ₁₀	e. 1 ₅ to 2 ₅ (%)	0 ₁₀ 723
f. 2 ₅ to 3 ₀ (%)		f. 2 ₅ to 3 ₀ (%)	
g. 3 ₀ to 4 ₀ (%)	8	g. 3 ₀ to 4 ₀ (%)	8
h. 4 ₀ to 5 ₀ (%)	43	h. 4 ₀ to 5 ₀ (%)	44
i. 5 ₀ to 6 ₀ (%)	47	i. 5 ₀ to 6 ₀ (%)	47
j. > 6 ₀ (%)		j. > 6 ₀ (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	2649	20. SUBSAMPLE DRY WEIGHT (gm)	1897
21. SPHERICITY (avg)		21. SPHERICITY (avg)	
22. PLASTICITY	High	22. PLASTICITY	High
23. SHALLOO-TESTING (low shell/low)	0	23. SHALLOO-TESTING (low shell/low)	0
24. INFILTRANT MINERAL (%)		24. INFILTRANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

38-40" - Soft mud.

SEDIMENT TYPE CLAYEY SILT CLAYEY SILT

1. SAMPLE NUMBER	66-136-1	5. SAMPLER TYPE	Gravimeter								
2. LATITUDE	44° 24' 43" N	5. WATER DEPTH (m.)	11.5								
3. LONGITUDE	68° 53' 42" W	7. CORE LENGTH (m.)	19.3								
4. DATE (Day, month, year)	14 September 1955	8. CORE PENETRATION (m.)									
9. LABORATORY NUMBER	3771	3772	3773								
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	Core Gray (5% Wt.)	Core Gray (5% Wt.)								
11. COLOR	Dark Greenish Gray (5-6 Y 4/1)	Dark Greenish Gray (5% Wt.)	Dark Greenish Gray (5% Wt.)								
12. OTHER											
13. WET DENSITY (lb./ft. ³)											
14. RIGIDITY (mm)											
15. MAXIMUM POROSITY (%)											
16. MINIMUM POROSITY (%)											
17. WATER CONTENT (%)											
18. ORGANIC CARBON CONTENT (%)											
19. SIZE ANALYSIS AND STATISTICAL MEASURES											
a. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	14	3.27	7	20	295	22	32	495	20	39	598
b. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	5	1.84	5	30	0.51	5	30	0.87	9	54	1.50
c. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	6	3.73	5	30	4.60	5	30	4.25	9	30	1.50
d. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	7	0.80	7	1.14	6	0.1	1.57	12	0.1	1.44	
e. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	6	6.55	7	30	7.65	5	30	8.33	11	0.2	6.48
f. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	5	6	4						4		
g. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	10		5						2	1	
h. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	19		23	10	6				6		
i. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	17		20	21	13				13		
j. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	11		14	19	14				14		
20. SUBSAMPLE DRY WEIGHT (gm)			4777	4491	3371				3137		
21. SPECIFIC GRAVITY (g./cc.)											
22. HUMIDITY (water) Plasticity	Low								Low		
23. HUMIDITY (water) Shell	< 1%								0		0
24. DOMINANT MINERAL (%)											
25. SECONDARY MINERAL (%)											
26. OTHER MINERALS (%)											
27. REMARKS											

REMARKS: TEMPS 11-26 DETERMINED IN THE LAB.

THE CORE WAS BROKEN AND PUT IN TWO TUBES.

0-6" SLIGHT CLAY, FINEST 1/2" Shell

11-26 SLIGHT CLAY, FINEST 1/2" Shell

W/ 1/2" BOTTLES

1. SAMPLE NUMBER	66-136-1 - RAMPHEAD			5. SAMPLER TYPE								
2. LATITUDE		5. WATER DEPTH (m.)										
3. LONGITUDE		7. CORE LENGTH (m.)										
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)										
9. LABORATORY NUMBER	3775	3776	3777	3778								
10. SUBSAMPLE DEPTH IN CORE (m.)	50-52	54-56	110-112	112-114								
11. COLOR	Dark Gray (5% Wt.)	Dark Gray (5% Wt.)	Dark Gray (5% Wt.)	Dark Gray (5% Wt.)								
12. OTHER												
13. WET DENSITY (lb./ft. ³)												
14. RIGIDITY (mm)												
15. MAXIMUM POROSITY (%)												
16. MINIMUM POROSITY (%)												
17. WATER CONTENT (%)												
18. ORGANIC CARBON CONTENT (%)												
19. SIZE ANALYSIS AND STATISTICAL MEASURES												
a. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	6	0.1	3.67	16	0.1	3.82	19	0.1	3.40	16	0.1	3.88
b. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	10	0.1	1.77	9	0.1	1.49	7	0.1	1.02	11	0.1	1.55
c. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	12	0.1	1.65	9	0.1	1.43	9	0.1	1.28	9	0.1	1.44
d. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	14	0.1	0.25	12	0.1	1.00	12	0.1	1.30	13	0.1	1.19
e. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	12	0.1	7.10	12	0.1	6.65	10	0.1	5.50	12	0.1	6.57
f. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	5		6	4					4	5		
g. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	2		2						1	2		
h. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	8		6	19	5				5			
i. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	15		14	9	12				9	12		
j. $\phi > 2, \phi > 4, \phi > 6, \phi > 8, \phi > 10, \phi > 12, \phi > 14, \phi > 16, \phi > 18, \phi > 20, \phi > 24, \phi > 28, \phi > 32, \phi > 36, \phi > 40, \phi > 44, \phi > 48, \phi > 52, \phi > 56, \phi > 60, \phi > 64, \phi > 68, \phi > 72, \phi > 76, \phi > 80, \phi > 84, \phi > 88, \phi > 92, \phi > 96, \phi > 100$	15		15	15	10				10	14		
20. SUBSAMPLE DRY WEIGHT (gm)			2570	3431	2755				2767			
21. SPECIFIC GRAVITY (g./cc.)												
22. HUMIDITY (water) Plasticity	Low			Low	Low				Low			
23. HUMIDITY (water) Shell	0			0	0				0			
24. DOMINANT MINERAL (%)												
25. SECONDARY MINERAL (%)												
26. OTHER MINERALS (%)												
27. REMARKS												

REMARKS: TEMPS 11-26 DETERMINED IN THE LAB.

THE CORE WAS BROKEN AND PUT IN TWO TUBES.

0-6" SLIGHT CLAY, FINEST 1/2" Shell

11-26 SLIGHT CLAY, FINEST 1/2" Shell

W/ 1/2" BOTTLES

1. SAMPLE NUMBER	66-137-1
2. LATITUDE	44° 24' 33" N
3. LONGITUDE	68° 51' 35" W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBER	4283
6. WATER DEPTH (m.)	11.7
11. COLOR	Olive Black 572/1
12. ODR	
13. NET DENSITY (lb./ft. ³)	
14. RIGIDNESS (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	OD ₂ 1.43
b. -2 _φ to -1 _φ (%)	SR ₂ 41.50
c. -1 _φ to 0 _φ (%)	ME ₂ 7.92
d. 0 _φ to 1 _φ (%)	1 01.649
e. 1 _φ to 2 _φ (%)	2 03.936
f. 2 _φ to 3 _φ (%)	2
g. 3 _φ to 4 _φ (%)	1
h. 4 _φ to 6 _φ (%)	12
i. 6 _φ to 8 _φ (%)	52
j. > 8 _φ (%)	30
20. SUBSAMPLE DRY WEIGHT (gm)	20.81
21. SPECIFICITY (avg.)	
22. MINIMUM TENSILE PLASTICITY	High
23. SUBSAMPLING TENSILE SHELL CM.	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-137-2
2. LATITUDE	44° 24' 33" N
3. LONGITUDE	68° 51' 55" W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBER	4257
6. WATER DEPTH (m.)	8-10
11. COLOR	Olive Gray # 573/2
12. ODR	
13. NET DENSITY (lb./ft. ³)	
14. RIGIDNESS (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	6 OD ₂ 1
b. -2 _φ to -1 _φ (%)	5 SR ₂ 6
c. -1 _φ to 0 _φ (%)	MS 8.40 ME ₂ 722.7 ME ₂ 745
d. 0 _φ to 1 _φ (%)	01.650 01.150 8 01.170
e. 1 _φ to 2 _φ (%)	8 03.4 4 03.4
f. 2 _φ to 3 _φ (%)	4 2
g. 3 _φ to 4 _φ (%)	2 1
h. 4 _φ to 6 _φ (%)	8 9 12
i. 6 _φ to 8 _φ (%)	39 27 39 39
j. > 8 _φ (%)	41 31 33 47
20. SUBSAMPLE DRY WEIGHT (gm)	9.55 20.36 15.09 10.66
21. SPECIFICITY (avg.)	
22. MINIMUM TENSILE PLASTICITY	High
23. SUBSAMPLING TENSILE SHELL CM.	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

28. REMARKS: Items 11-26 determined in the lab	
29. DEPTH (m.)	0-3
30. 0-3	Soft dark olive gray mud with dark streaks
31. 3-12	Numerous coarse materials
32. 12-16	Soft black mud
33. 16-18	Olive gray mud
Sediment Type	Clayey silt Silty Mud Silty Mud Clayey Silt

1. SAMPLE NUMBER	66-137-1
2. LATITUDE	44° 24' 33" N
3. LONGITUDE	68° 51' 35" W
4. DATE (Day, month, year)	14 September 1969
5. LABORATORY NUMBER	4283
6. WATER DEPTH (m.)	11.7
11. COLOR	Olive Black 572/1
12. ODR	
13. NET DENSITY (lb./ft. ³)	
14. RIGIDNESS (cm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	OD ₂ 1.43
b. -2 _φ to -1 _φ (%)	SR ₂ 41.50
c. -1 _φ to 0 _φ (%)	ME ₂ 7.92
d. 0 _φ to 1 _φ (%)	1 01.649
e. 1 _φ to 2 _φ (%)	2 03.936
f. 2 _φ to 3 _φ (%)	2
g. 3 _φ to 4 _φ (%)	1
h. 4 _φ to 6 _φ (%)	12
i. 6 _φ to 8 _φ (%)	52
j. > 8 _φ (%)	30
20. SUBSAMPLE DRY WEIGHT (gm)	20.81
21. SPECIFICITY (avg.)	
22. MINIMUM TENSILE PLASTICITY	High
23. SUBSAMPLING TENSILE SHELL CM.	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab	

28. REMARKS: Items 11-26 determined in the lab	
29. DEPTH (m.)	0-3
30. 0-3	Soft dark olive gray mud with dark streaks
31. 3-12	Numerous coarse materials
32. 12-16	Soft black mud
33. 16-18	Olive gray mud
Sediment Type	Clayey silt Silty Mud Silty Mud Clayey Silt

1. SAMPLE NUMBER	66-137-2 continued				5. SAMPLER TYPE
2. LATITUDE					5. WATER DEPTH (m.)
3. LONGITUDE					7. CORE LENGTH (m.)
4. DATE (day, month, year)					8. CORE PENETRATION (m.)
9. LABORATORY NUMBER	4063	4061	4062	4063	
10. SUBSAMPLE DEPTH IN CORE (m.)	16-18	18-20	23-25	25-27	
11. COLOR	Olive Gray 514/1	Olive Gray 514/1	Olive Gray 514/1	Olive Gray 514/1	
12. DOOR					
13. NET DENSITY (lb./ft. ³)					
14. WET DENSITY (lb./ft. ³)					
15. MAXIMUM POROSITY (%)					
16. MINIMUM POROSITY (%)					
17. WATER CONTENT (%)					
18. ORGANIC CARBON CONTENT (%)					
19. SITE ANALYSIS AND STATISTICAL MEASURES					
20. SUBSAMPLE DRY WEIGHT (gms)	5	9	4.59	4	15
21. SPECIFIC GRAVITY (g/cm ³)	5	10	10.29	5	15
22. SPECIFIC GRAVITY (g/cm ³)	6	7.27	9	4.00	6
23. SPECIFIC GRAVITY (g/cm ³)	7	0.145	10	0.145	9
24. SPECIFIC GRAVITY (g/cm ³)	4	0.2	5	0.2	5
25. SPECIFIC GRAVITY (g/cm ³)	3	4	4	5	5
26. SPECIFIC GRAVITY (g/cm ³)	2	3	3	3	3
27. SPECIFIC GRAVITY (g/cm ³)	8	6	7	4	4
28. SPECIFIC GRAVITY (g/cm ³)	28	20	26	11	11
29. SPECIFIC GRAVITY (g/cm ³)	32	24	30	13	13
30. SUBSAMPLE DRY WEIGHT (gms)	1514	1992	23.33	29.81	29.81
31. SPECIFIC GRAVITY (g/cm ³)	High	Med	Med	Low	Low
32. SPECIFIC GRAVITY (g/cm ³)	0	172	172	172	172
33. SPECIFIC GRAVITY (g/cm ³)	Shell/Gr.				
34. DRY WEIGHT (gms)					
35. SECONDARY MINERAL (%)					
36. OTHER MINERALS (%)					
37. REMARKS	Composition continued Soft olive gray mud with occasional pebbles and shells. Some places, with green granules, shell, and silt				
38. SEDIMENT TYPE	Silty Mud	Sandy Mud	Sandy Mud	Sandy Mud	Silty Sand with shells

1. SAMPLE NUMBER	66-137-2 continued				5. SAMPLER TYPE
2. LATITUDE					5. WATER DEPTH (m.)
3. LONGITUDE					7. CORE LENGTH (m.)
4. DATE (day, month, year)					8. CORE PENETRATION (m.)
9. LABORATORY NUMBER	4064	4065	4066	4067	
10. SUBSAMPLE DEPTH IN CORE (m.)	40-42	53-55	55-57	70-72	
11. COLOR	Olive Gray 514/1	Olive Gray 514/1	Olive Gray 514/1	Olive Gray 514/1	
12. DOOR					
13. NET DENSITY (lb./ft. ³)					
14. WET DENSITY (lb./ft. ³)					
15. MAXIMUM POROSITY (%)					
16. MINIMUM POROSITY (%)					
17. WATER CONTENT (%)					
18. ORGANIC CARBON CONTENT (%)					
19. SITE ANALYSIS AND STATISTICAL MEASURES					
20. SUBSAMPLE DRY WEIGHT (gms)	13	3.02	2	2.22	2
21. SPECIFIC GRAVITY (g/cm ³)	12	11.37	9	11.65	3
22. SPECIFIC GRAVITY (g/cm ³)	14	0.65	15	1.00	6
23. SPECIFIC GRAVITY (g/cm ³)	15	0.140	24	0.065	26
24. SPECIFIC GRAVITY (g/cm ³)	8	5.05	9	0.540	32
25. SPECIFIC GRAVITY (g/cm ³)	7	7	7	10	4
26. SPECIFIC GRAVITY (g/cm ³)	4	4	4	4	2
27. SPECIFIC GRAVITY (g/cm ³)	4	7	7	5	2
28. SPECIFIC GRAVITY (g/cm ³)	11	11	11	6	2
29. SPECIFIC GRAVITY (g/cm ³)	12	10	10	6	2
30. SUBSAMPLE DRY WEIGHT (gms)	32.25	22.58	30.93	46.53	46.53
31. SPECIFIC GRAVITY (g/cm ³)	Low	Low	Med	Med	Med
32. SPECIFIC GRAVITY (g/cm ³)	172	172	172	172	172
33. SPECIFIC GRAVITY (g/cm ³)	Shell/Gr.				
34. DRY WEIGHT (gms)					
35. SECONDARY MINERAL (%)					
36. OTHER MINERALS (%)					
37. REMARKS	Composition continued Silt and clay granules, shell and silt Dark streaks				
38. SEDIMENT TYPE	Silty Sand	Silty Sand	Silty Sand	Sand	Sand

1. SAMPLE NUMBER	66-138-1	CONTINUED	5. SIMPLER TYPE
2. LATITUDE			6. WATER DEPTH (m.)
3. LONGITUDE			7. CORE LENGTH (m.)
4. DATE (day, month, year)			8. CORE PENETRATION (m.)
9. LABORATORY NUMBERS	3580	3581 *	3582
10. SUBSAMPLE DEPTH IN CORE (m.)	37-39	39-41	50-52
11. COLOR	OLIVE GRAY (5Y 4/1)	GREENISH BLACK (5GY 2/1)	OLIVE GRAY (5Y 4/1)
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RESIDUE (%)			
15. MAXIMUM PROSITY (%)			
16. MINIMUM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_1 to ϕ_4	1	2.88	2
b. ϕ_1 to ϕ_2	1	31.4073	3
c. ϕ_1 to ϕ_3	1	31.4073	3
d. ϕ_1 to ϕ_4	1	31.4073	3
e. ϕ_1 to ϕ_5	1	31.4073	3
f. ϕ_1 to ϕ_6	1	31.4073	3
g. ϕ_1 to ϕ_7	1	31.4073	3
h. ϕ_1 to ϕ_8	1	31.4073	3
i. ϕ_1 to ϕ_9	1	31.4073	3
j. ϕ_1 to ϕ_{10}	1	31.4073	3
k. ϕ_1 to ϕ_{11}	1	31.4073	3
l. ϕ_1 to ϕ_{12}	1	31.4073	3
m. ϕ_1 to ϕ_{13}	1	31.4073	3
n. ϕ_1 to ϕ_{14}	1	31.4073	3
o. ϕ_1 to ϕ_{15}	1	31.4073	3
p. ϕ_1 to ϕ_{16}	1	31.4073	3
q. ϕ_1 to ϕ_{17}	1	31.4073	3
r. ϕ_1 to ϕ_{18}	1	31.4073	3
s. ϕ_1 to ϕ_{19}	1	31.4073	3
t. ϕ_1 to ϕ_{20}	1	31.4073	3
u. ϕ_1 to ϕ_{21}	1	31.4073	3
v. ϕ_1 to ϕ_{22}	1	31.4073	3
w. ϕ_1 to ϕ_{23}	1	31.4073	3
x. ϕ_1 to ϕ_{24}	1	31.4073	3
y. ϕ_1 to ϕ_{25}	1	31.4073	3
z. ϕ_1 to ϕ_{26}	1	31.4073	3
aa. ϕ_1 to ϕ_{27}	1	31.4073	3
ab. ϕ_1 to ϕ_{28}	1	31.4073	3
ac. ϕ_1 to ϕ_{29}	1	31.4073	3
ad. ϕ_1 to ϕ_{30}	1	31.4073	3
ae. ϕ_1 to ϕ_{31}	1	31.4073	3
af. ϕ_1 to ϕ_{32}	1	31.4073	3
ag. ϕ_1 to ϕ_{33}	1	31.4073	3
ah. ϕ_1 to ϕ_{34}	1	31.4073	3
ai. ϕ_1 to ϕ_{35}	1	31.4073	3
aj. ϕ_1 to ϕ_{36}	1	31.4073	3
ak. ϕ_1 to ϕ_{37}	1	31.4073	3
al. ϕ_1 to ϕ_{38}	1	31.4073	3
am. ϕ_1 to ϕ_{39}	1	31.4073	3
an. ϕ_1 to ϕ_{40}	1	31.4073	3
ao. ϕ_1 to ϕ_{41}	1	31.4073	3
ap. ϕ_1 to ϕ_{42}	1	31.4073	3
aq. ϕ_1 to ϕ_{43}	1	31.4073	3
ar. ϕ_1 to ϕ_{44}	1	31.4073	3
as. ϕ_1 to ϕ_{45}	1	31.4073	3
at. ϕ_1 to ϕ_{46}	1	31.4073	3
au. ϕ_1 to ϕ_{47}	1	31.4073	3
av. ϕ_1 to ϕ_{48}	1	31.4073	3
aw. ϕ_1 to ϕ_{49}	1	31.4073	3
ax. ϕ_1 to ϕ_{50}	1	31.4073	3
ay. ϕ_1 to ϕ_{51}	1	31.4073	3
az. ϕ_1 to ϕ_{52}	1	31.4073	3
ba. ϕ_1 to ϕ_{53}	1	31.4073	3
bb. ϕ_1 to ϕ_{54}	1	31.4073	3
bc. ϕ_1 to ϕ_{55}	1	31.4073	3
bd. ϕ_1 to ϕ_{56}	1	31.4073	3
be. ϕ_1 to ϕ_{57}	1	31.4073	3
bf. ϕ_1 to ϕ_{58}	1	31.4073	3
bg. ϕ_1 to ϕ_{59}	1	31.4073	3
bh. ϕ_1 to ϕ_{60}	1	31.4073	3
bi. ϕ_1 to ϕ_{61}	1	31.4073	3
bj. ϕ_1 to ϕ_{62}	1	31.4073	3
bk. ϕ_1 to ϕ_{63}	1	31.4073	3
bl. ϕ_1 to ϕ_{64}	1	31.4073	3
bm. ϕ_1 to ϕ_{65}	1	31.4073	3
bn. ϕ_1 to ϕ_{66}	1	31.4073	3
bo. ϕ_1 to ϕ_{67}	1	31.4073	3
bp. ϕ_1 to ϕ_{68}	1	31.4073	3
bq. ϕ_1 to ϕ_{69}	1	31.4073	3
br. ϕ_1 to ϕ_{70}	1	31.4073	3
bs. ϕ_1 to ϕ_{71}	1	31.4073	3
bt. ϕ_1 to ϕ_{72}	1	31.4073	3
bu. ϕ_1 to ϕ_{73}	1	31.4073	3
bv. ϕ_1 to ϕ_{74}	1	31.4073	3
bw. ϕ_1 to ϕ_{75}	1	31.4073	3
bx. ϕ_1 to ϕ_{76}	1	31.4073	3
by. ϕ_1 to ϕ_{77}	1	31.4073	3
bz. ϕ_1 to ϕ_{78}	1	31.4073	3
ca. ϕ_1 to ϕ_{79}	1	31.4073	3
cb. ϕ_1 to ϕ_{80}	1	31.4073	3
cc. ϕ_1 to ϕ_{81}	1	31.4073	3
cd. ϕ_1 to ϕ_{82}	1	31.4073	3
ce. ϕ_1 to ϕ_{83}	1	31.4073	3
cf. ϕ_1 to ϕ_{84}	1	31.4073	3
cg. ϕ_1 to ϕ_{85}	1	31.4073	3
ch. ϕ_1 to ϕ_{86}	1	31.4073	3
ci. ϕ_1 to ϕ_{87}	1	31.4073	3
cj. ϕ_1 to ϕ_{88}	1	31.4073	3
ck. ϕ_1 to ϕ_{89}	1	31.4073	3
cl. ϕ_1 to ϕ_{90}	1	31.4073	3
cm. ϕ_1 to ϕ_{91}	1	31.4073	3
cn. ϕ_1 to ϕ_{92}	1	31.4073	3
co. ϕ_1 to ϕ_{93}	1	31.4073	3
cp. ϕ_1 to ϕ_{94}	1	31.4073	3
cq. ϕ_1 to ϕ_{95}	1	31.4073	3
cr. ϕ_1 to ϕ_{96}	1	31.4073	3
cs. ϕ_1 to ϕ_{97}	1	31.4073	3
ct. ϕ_1 to ϕ_{98}	1	31.4073	3
cu. ϕ_1 to ϕ_{99}	1	31.4073	3
cv. ϕ_1 to ϕ_{100}	1	31.4073	3
20. SUBSAMPLE DRY WEIGHT (m)	32.69	33.28	33.43
21. SPECIFIC GRAVITY	None	None	None
22. SHAPE-TEXTURE (mm)	High	None	None
23. SHAPE-TEXTURE (mm)	High	None	None
24. DIFFERENT MINERAL (%)	47%	5%	~1%
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	CONTINUED SHELL FRAGMENTS UP TO 2 1/2" IN LENGTH. NOTED. 54-71 sandy mud 71-99 silty sand		
SEDIMENT TYPE	SILTY SAND	SILTY SAND	SANDY MUD

1. SAMPLE NUMBER	66-138-1	CONTINUED	5. SIMPLER TYPE
2. LATITUDE			6. WATER DEPTH (m.)
3. LONGITUDE			7. CORE LENGTH (m.)
4. DATE (day, month, year)			8. CORE PENETRATION (m.)
9. LABORATORY NUMBERS	3584	3585	3586
10. SUBSAMPLE DEPTH IN CORE (m.)	69-71	75-77	82-84
11. COLOR	OLIVE GRAY (5Y 4/1)	OLIVE GRAY (5Y 4/1)	OLIVE GRAY (5Y 4/1)
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RESIDUE (%)			
15. MAXIMUM PROSITY (%)			
16. MINIMUM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_1 to ϕ_4	5	0.257	4
b. ϕ_1 to ϕ_2	1	10.68	2
c. ϕ_1 to ϕ_3	2	10.68	2
d. ϕ_1 to ϕ_4	5	10.68	2
e. ϕ_1 to ϕ_5	9	10.68	2
f. ϕ_1 to ϕ_6	11	10.68	2
g. ϕ_1 to ϕ_7	15	10.68	2
h. ϕ_1 to ϕ_8	17	10.68	2
i. ϕ_1 to ϕ_9	16	10.68	2
j. ϕ_1 to ϕ_{10}	18	10.68	2
k. ϕ_1 to ϕ_{11}	18	10.68	2
l. ϕ_1 to ϕ_{12}	18	10.68	2
m. ϕ_1 to ϕ_{13}	18	10.68	2
n. ϕ_1 to ϕ_{14}	18	10.68	2
o. ϕ_1 to ϕ_{15}	18	10.68	2
p. ϕ_1 to ϕ_{16}	18	10.68	2
q. ϕ_1 to ϕ_{17}	18	10.68	2
r. ϕ_1 to ϕ_{18}	18	10.68	2
s. ϕ_1 to ϕ_{19}	18	10.68	2
t. ϕ_1 to ϕ_{20}	18	10.68	2
u. ϕ_1 to ϕ_{21}	18	10.68	2
v. ϕ_1 to ϕ_{22}	18	10.68	2
w. ϕ_1 to ϕ_{23}	18	10.68	2
x. ϕ_1 to ϕ_{24}	18	10.68	2
y. ϕ_1 to ϕ_{25}	18	10.68	2
z. ϕ_1 to ϕ_{26}	18	10.68	2
aa. ϕ_1 to ϕ_{27}	18	10.68	2
ab. ϕ_1 to ϕ_{28}	18	10.68	2
ac. ϕ_1 to ϕ_{29}	18	10.68	2
ad. ϕ_1 to ϕ_{30}	18	10.68	2
ae. ϕ_1 to ϕ_{31}	18	10.68	2
af. ϕ_1 to ϕ_{32}	18	10.68	2
ag. ϕ_1 to ϕ_{33}	18	10.68	2
ah. ϕ_1 to ϕ_{34}	18	10.68	2
ai. ϕ_1 to ϕ_{35}	18	10.68	2
aj. ϕ_1 to ϕ_{36}	18	10.68	2
ak. ϕ_1 to ϕ_{37}	18	10.68	2
al. ϕ_1 to ϕ_{38}	18	10.68	2
am. ϕ_1 to ϕ_{39}	18	10.68	2
an. ϕ_1 to ϕ_{40}	18	10.68	2
ao. ϕ_1 to ϕ_{41}	18	10.68	2
ap. ϕ_1 to ϕ_{42}	18	10.68	2
aq. ϕ_1 to ϕ_{43}	18	10.68	2
ar. ϕ_1 to ϕ_{44}	18	10.68	2
as. ϕ_1 to ϕ_{45}	18	10.68	2
at. ϕ_1 to ϕ_{46}	18	10.68	2
au. ϕ_1 to ϕ_{47}	18	10.68	2
av. ϕ_1 to ϕ_{48}	18	10.68	2
aw. ϕ_1 to ϕ_{49}	18	10.68	2
ax. ϕ_1 to ϕ_{50}	18	10.68	2
ay. ϕ_1 to ϕ_{51}	18	10.68	2
az. ϕ_1 to ϕ_{52}	18	10.68	2
ba. ϕ_1 to ϕ_{53}	18	10.68	2
bb. ϕ_1 to ϕ_{54}	18	10.68	2
bc. ϕ_1 to ϕ_{55}	18	10.68	2
bd. ϕ_1 to ϕ_{56}	18	10.68	2
be. ϕ_1 to ϕ_{57}	18	10.68	2
bf. ϕ_1 to ϕ_{58}	18	10.68	2
bg. ϕ_1 to ϕ_{59}	18	10.68	2
bh. ϕ_1 to ϕ_{60}	18	10.68	2
bi. ϕ_1 to ϕ_{61}	18	10.68	2
bj. ϕ_1 to ϕ_{62}	18	10.68	2
bk. ϕ_1 to ϕ_{63}	18	10.68	2
bl. ϕ_1 to ϕ_{64}	18	10.68	2
bm. ϕ_1 to ϕ_{65}	18	10.68	2
bn. ϕ_1 to ϕ_{66}	18	10.68	2
bo. ϕ_1 to ϕ_{67}	18	10.68	2
bp. ϕ_1 to ϕ_{68}	18	10.68	2
bq. ϕ_1 to ϕ_{69}	18	10.68	2
br. ϕ_1 to ϕ_{70}	18	10.68	2
bs. ϕ_1 to ϕ_{71}	18	10.68	2
bt. ϕ_1 to ϕ_{72}	18	10.68	2
bu. ϕ_1 to ϕ_{73}	18	10.68	2
bv. ϕ_1 to ϕ_{74}	18	10.68	2
bw. ϕ_1 to ϕ_{75}	18	10.68	2
bx. ϕ_1 to ϕ_{76}	18	10.68	2
by. ϕ_1 to ϕ_{77}	18	10.68	2
bz. ϕ_1 to ϕ_{78}	18	10.68	2
ca. ϕ_1 to ϕ_{79}	18	10.68	2
cb. ϕ_1 to ϕ_{80}	18	10.68	2
cc. ϕ_1 to ϕ_{81}	18	10.68	2
cd. ϕ_1 to ϕ_{82}	18	10.68	2
ce. ϕ_1 to ϕ_{83}	18	10.68	2
cf. ϕ_1 to ϕ_{84}	18	10.68	2
cg. ϕ_1 to ϕ_{85}	18	10.68	2
ch. ϕ_1 to ϕ_{86}	18	10.68	2
ci. ϕ_1 to ϕ_{87}	18	10.68	2
cj. ϕ_1 to ϕ_{88}	18	10.68	2
ck. ϕ_1 to ϕ_{89}	18	10.68	2
cl. ϕ_1 to ϕ_{90}	18	10.68	2
cm. ϕ_1 to ϕ_{91}	18	10.68	2
cn. ϕ_1 to ϕ_{92}	18	10.68	2
co. ϕ_1 to ϕ_{93}	18	10.68	2
cp. ϕ_1 to ϕ_{94}	18	10.68	2
cq. ϕ_1 to ϕ_{95}	18	10.68	2
20. SUBSAMPLE DRY WEIGHT (m)	30.61	34.95	37.75
21. SPECIFIC GRAVITY			43.17
22. PLASTICITY INDEX	1.0	1.0	1.0
23. STANDARD TENSILE (m)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	#	CONTINUED BLUE	STRAIGHT.
28. SEDIMENT TYPE	SILT SAND	SILT SAND	SILT SAND
29. GRAIN SIZE	SILT SAND	SILT SAND	SILT SAND

1. SAMPLE NUMBER	66-138-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE			6. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE (DD, MONTH, YEAR)			8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS		5580 **		
10. SUBSAMPLE DEPTH IN CORE (m.)		97-99		
11. COLOR		OLIVE GRAY (5-Y 4/1)		
12. DOOR				
13. WET DENSITY (lb./ft ³)				
14. RIGIDITY (cm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. $\phi < 2\phi$ (%)	15	09, 2.82	00 ₂	00 ₂
b. $\phi < 2\phi$ to ϕ_2 (%)	11	58, 10.10	58 ₂	58 ₂
c. $\phi < 2\phi$ to ϕ_2 (%)	7	94, 1.62	94 ₂	94 ₂
d. ϕ_2 to ϕ_4 (%)	9	01, 1.10	01 ₂	01 ₂
e. ϕ_4 to ϕ_6 (%)	13	03, 4.55	03 ₂	03 ₂
f. ϕ_6 to ϕ_8 (%)	9			
g. ϕ_8 to ϕ_{10} (%)	8			
h. ϕ_{10} to ϕ_{12} (%)	10			
i. ϕ_{12} to ϕ_{14} (%)	9			
j. ϕ_{14} to ϕ_{16} (%)	9			
20. SUBSAMPLE DRY WEIGHT (gm)		418		
21. SPHERICITY (avg.)				
22. PLASTICITY		1.0		
23. SHrinkage (from 100% to 100% of 100%)		0		
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS		44 CONTINUED BLANK STRAINS.		

1. SAMPLE NUMBER	66-139-1	MULLERBERG	5. SAMPLER TYPE	
2. LATITUDE	26	41	6. WATER DEPTH (m.)	190
3. LONGITUDE	68	50	7. CORE LENGTH (m.)	123
4. DATE (DD, MONTH, YEAR)	14	September 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS		5964		5965
10. SUBSAMPLE DEPTH IN CORE (m.)		0-2		48-50
11. COLOR		Green (5.0Y 1/2)		Green (5.0Y 1/2)
12. DOOR				
13. WET DENSITY (lb./ft ³)				
14. RIGIDITY (cm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. $\phi < 2\phi$ (%)	3	00 ₂	00 ₂	00 ₂
b. $\phi < 2\phi$ to ϕ_2 (%)		58 ₂	58 ₂	58 ₂
c. $\phi < 2\phi$ to ϕ_2 (%)		94, 8.35	94, 8.12	94, 8.12
d. ϕ_2 to ϕ_4 (%)		01, 6.38	01, 5.91	01, 6.10
e. ϕ_4 to ϕ_6 (%)	2	03 ₂	03 ₂	03 ₂
f. ϕ_6 to ϕ_8 (%)		2		1
g. ϕ_8 to ϕ_{10} (%)		2		4
h. ϕ_{10} to ϕ_{12} (%)	15	15	18	22
i. ϕ_{12} to ϕ_{14} (%)	38	35	36	35
j. ϕ_{14} to ϕ_{16} (%)	42	39	39	38
20. SUBSAMPLE DRY WEIGHT (gm)		16.62	18.00	21.91
21. SPHERICITY (avg.)				23.59
22. PLASTICITY		11.6	11.3	11.6
23. SHrinkage (from 100% to 100% of 100%)		0	-1.9	0
24. DOMINANT MINERAL (%)				4.1%
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS		ITEMS 11-26 DETERMINED IN THE LAB DARK STRAINS IN THE FIRST 6 INCHES OF THE CORE SHELL SCATTERED THROUGHOUT CORE		

SEGMENT TYPE	Core Soil	Core Soil	Core Soil	Core Soil
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[illegible]

1. SAMPLE NUMBER	61-199-1: cont.			5. SAMPLE TYPE	
2. LATITUDE				6. WATER DEPTH (m.)	
3. LONGITUDE				7. CORE LENGTH (m.)	
4. DATE (Day, month, year)				8. CORE PENETRATION (m.)	
9. LAB NUMBER	3971	5982	9973		
10. SUBSAMPLE BATH IN CORE (m.)	110 - 112	110 - 112	121 - 123		
11. COLOR	Greenish Blue (50Y 4/2)	Greenish Blue (50Y 4/2)	Greenish Blue (50Y 4/2)		
12. OTHER					
13. NET DENSITY (lb./ft. ³)					
14. RESIDUE (%)					
15. MAXIMUM POROSITY (%)					
16. MAXIMUM POROSITY (%)					
17. WATER CONTENT (%)					
18. ORGANIC CARBON CONTENT (%)					
19. SIFT ANALYSIS AND STATISTICAL VALUES					
20. x_1, x_2, x_3 (%)	100, 2.58	100, 2.58	100, 2.58	100, 2.58	100, 2.58
21. x_1, x_2, x_3 (%)	1, 14.69	1, 14.69	1, 14.69	1, 14.69	1, 14.69
22. x_1, x_2, x_3 (%)	100, 5.17	100, 5.17	100, 5.17	100, 5.17	100, 5.17
23. x_1, x_2, x_3 (%)	5, 31.348	5, 31.348	5, 31.348	5, 31.348	5, 31.348
24. x_1, x_2, x_3 (%)	8, 9.25	8, 9.25	8, 9.25	8, 9.25	8, 9.25
25. x_1, x_2, x_3 (%)	13, 7	13, 7	13, 7	13, 7	13, 7
26. x_1, x_2, x_3 (%)	28, 32	28, 32	28, 32	28, 32	28, 32
27. x_1, x_2, x_3 (%)	19, 24	19, 24	19, 24	19, 24	19, 24
28. x_1, x_2, x_3 (%)	21, 28	21, 28	21, 28	21, 28	21, 28
29. SUBSAMPLE DRY WEIGHT (mg)	66.7	172.4	21.77	21.77	21.77
30. SPLITTING (mg)					
31. SPLITTING (mg)					
32. SPLITTING (mg)					
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1. SAMPLE NUMBER	66-140-1	5. SAMPLER TYPE	MULLERBERG
2. LATITUDE	44 24 N	6. WATER DEPTH (m.)	83
3. LONGITUDE	68 50 W	7. CORE LENGTH (m.)	126
4. DATE (day, month, year)	14 February 1969	8. CORE PENETRATION (m.)	
9. LABORATORY NUMBER	3991 +		3993
10. SUSPENSIBLE DEPTH IN CORE (m.)	0-2		62-64
11. COLOR	DIAT. GROW (ST-46)		DIAT. GROW (ST-46)
12. ODOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2, (s)	10 ₂	10 ₂	10 ₂
b. -2 ₀ to -1 ₀ (s)	SK ₂	SK ₂	SK ₂
c. -1 ₀ to 0 ₁ (s)	ME 858	ME 845	ME 859
d. 0 ₁ to 1 ₀ (s)	2 01.691	2 01.674	2 01.676
e. 1 ₀ to 2 ₀ (s)	10 ₂	10 ₂	10 ₂
f. 2 ₀ to 3 ₀ (s)			
g. 3 ₀ to 4 ₀ (s)			
h. 4 ₀ to 6 ₀ (s)	12	12	13
i. 6 ₀ to 10 ₀ (s)	43	43	44
j. > 10 ₀ (s)	42	41	43
20. SUSPENSIBLE DRY WEIGHT (gm)	1392	1634	1536
21. SPHERICITY (mm)			17.44
22. PLASTICITY (mm)	H. 3.4	H. 3.6	H. 3.6
23. SHRECK-TESTING (mm) (mm)	4.19	0	2.19
24. IMPACT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB		
	* THE SAMPLE CONTAINED DARK STREAKS.		
	FEW SKELETONS THROUGHOUT CORE.		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-140-1	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBER	3994		3996
10. SUSPENSIBLE DEPTH IN CORE (m.)	8-12		109-111
11. COLOR	DIAT. GROW (ST-46)		DIAT. GROW (ST-46)
12. ODOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2, (s)	10 ₂	10 ₂	10 ₂
b. -2 ₀ to -1 ₀ (s)	SK ₂	SK ₂	SK ₂
c. -1 ₀ to 0 ₁ (s)	ME 851	ME 861	ME 868
d. 0 ₁ to 1 ₀ (s)	01.662	01.674	2 01.701
e. 1 ₀ to 2 ₀ (s)	10 ₂	10 ₂	10 ₂
f. 2 ₀ to 3 ₀ (s)	1	1	1
g. 3 ₀ to 4 ₀ (s)			
h. 4 ₀ to 6 ₀ (s)	14	12	11
i. 6 ₀ to 10 ₀ (s)	39	39	42
j. > 10 ₀ (s)	42	44	45
20. SUSPENSIBLE DRY WEIGHT (gm)	1701	1488	1404
21. SPHERICITY (mm)			
22. PLASTICITY (mm)	H. 3.4	H. 3.6	H. 3.6
23. SHRECK-TESTING (mm) (mm)	0	0	0
24. IMPACT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	O-9" and 119-126" contained black layers.		
	Color change at 46" and 96"		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-141-1	5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44 53 N	6. WATER DEPTH (m.)	50.3
3. LONGITUDE	68 53 W	7. CORE LENGTH (m.)	11.8
4. DATE	15 September 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBER	39441	9. LABORATORY NUMBER	39442 *
10. SUBSAMPLE DEPTH IN CORE (m.)	0-6	10. SUBSAMPLE DEPTH IN CORE (m.)	8-10
11. COLOR	Dark Greenish Gray 5041/2, Olive Gray 5341/1	11. COLOR	Dark Greenish Gray 5041/2, Olive Gray 5341/1
12. OTHER		12. OTHER	
13. WET DENSITY (lb./ft. ³)		13. WET DENSITY (lb./ft. ³)	
14. RESIDUUM (%)		14. RESIDUUM (%)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MEAN POROSITY (%)		16. MEAN POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. $\bar{x} \pm 2s$ (%)	$\bar{x}_1 \pm 2s_1$ (%)	$\bar{x}_2 \pm 2s_2$ (%)	$\bar{x}_3 \pm 2s_3$ (%)
b. $\bar{x} - 2s$ to $-1s$ (%)	$\bar{x}_1 - 2s_1$ to $-1s_1$ (%)	$\bar{x}_2 - 2s_2$ to $-1s_2$ (%)	$\bar{x}_3 - 2s_3$ to $-1s_3$ (%)
c. $-1s$ to $0s$ (%)	$\bar{x}_1 - 1s_1$ to $0s_1$ (%)	$\bar{x}_2 - 1s_2$ to $0s_2$ (%)	$\bar{x}_3 - 1s_3$ to $0s_3$ (%)
d. $0s$ to $1s$ (%)	\bar{x}_1 to $1s_1$ (%)	\bar{x}_2 to $1s_2$ (%)	\bar{x}_3 to $1s_3$ (%)
e. $1s$ to $2s$ (%)	\bar{x}_1 to $2s_1$ (%)	\bar{x}_2 to $2s_2$ (%)	\bar{x}_3 to $2s_3$ (%)
f. $2s$ to $3s$ (%)	\bar{x}_1 to $3s_1$ (%)	\bar{x}_2 to $3s_2$ (%)	\bar{x}_3 to $3s_3$ (%)
g. $3s$ to $4s$ (%)	\bar{x}_1 to $4s_1$ (%)	\bar{x}_2 to $4s_2$ (%)	\bar{x}_3 to $4s_3$ (%)
h. $4s$ to $5s$ (%)	\bar{x}_1 to $5s_1$ (%)	\bar{x}_2 to $5s_2$ (%)	\bar{x}_3 to $5s_3$ (%)
i. $5s$ to $6s$ (%)	\bar{x}_1 to $6s_1$ (%)	\bar{x}_2 to $6s_2$ (%)	\bar{x}_3 to $6s_3$ (%)
j. $6s$ to $7s$ (%)	\bar{x}_1 to $7s_1$ (%)	\bar{x}_2 to $7s_2$ (%)	\bar{x}_3 to $7s_3$ (%)
k. $7s$ to $8s$ (%)	\bar{x}_1 to $8s_1$ (%)	\bar{x}_2 to $8s_2$ (%)	\bar{x}_3 to $8s_3$ (%)
l. $8s$ to $9s$ (%)	\bar{x}_1 to $9s_1$ (%)	\bar{x}_2 to $9s_2$ (%)	\bar{x}_3 to $9s_3$ (%)
m. $9s$ to $10s$ (%)	\bar{x}_1 to $10s_1$ (%)	\bar{x}_2 to $10s_2$ (%)	\bar{x}_3 to $10s_3$ (%)
n. $10s$ to $11s$ (%)	\bar{x}_1 to $11s_1$ (%)	\bar{x}_2 to $11s_2$ (%)	\bar{x}_3 to $11s_3$ (%)
o. $11s$ to $12s$ (%)	\bar{x}_1 to $12s_1$ (%)	\bar{x}_2 to $12s_2$ (%)	\bar{x}_3 to $12s_3$ (%)
p. $12s$ to $13s$ (%)	\bar{x}_1 to $13s_1$ (%)	\bar{x}_2 to $13s_2$ (%)	\bar{x}_3 to $13s_3$ (%)
q. $13s$ to $14s$ (%)	\bar{x}_1 to $14s_1$ (%)	\bar{x}_2 to $14s_2$ (%)	\bar{x}_3 to $14s_3$ (%)
r. $14s$ to $15s$ (%)	\bar{x}_1 to $15s_1$ (%)	\bar{x}_2 to $15s_2$ (%)	\bar{x}_3 to $15s_3$ (%)
s. $15s$ to $16s$ (%)	\bar{x}_1 to $16s_1$ (%)	\bar{x}_2 to $16s_2$ (%)	\bar{x}_3 to $16s_3$ (%)
t. $16s$ to $17s$ (%)	\bar{x}_1 to $17s_1$ (%)	\bar{x}_2 to $17s_2$ (%)	\bar{x}_3 to $17s_3$ (%)
u. $17s$ to $18s$ (%)	\bar{x}_1 to $18s_1$ (%)	\bar{x}_2 to $18s_2$ (%)	\bar{x}_3 to $18s_3$ (%)
v. $18s$ to $19s$ (%)	\bar{x}_1 to $19s_1$ (%)	\bar{x}_2 to $19s_2$ (%)	\bar{x}_3 to $19s_3$ (%)
w. $19s$ to $20s$ (%)	\bar{x}_1 to $20s_1$ (%)	\bar{x}_2 to $20s_2$ (%)	\bar{x}_3 to $20s_3$ (%)
x. $20s$ to $21s$ (%)	\bar{x}_1 to $21s_1$ (%)	\bar{x}_2 to $21s_2$ (%)	\bar{x}_3 to $21s_3$ (%)
y. $21s$ to $22s$ (%)	\bar{x}_1 to $22s_1$ (%)	\bar{x}_2 to $22s_2$ (%)	\bar{x}_3 to $22s_3$ (%)
z. $22s$ to $23s$ (%)	\bar{x}_1 to $23s_1$ (%)	\bar{x}_2 to $23s_2$ (%)	\bar{x}_3 to $23s_3$ (%)
aa. $23s$ to $24s$ (%)	\bar{x}_1 to $24s_1$ (%)	\bar{x}_2 to $24s_2$ (%)	\bar{x}_3 to $24s_3$ (%)
ab. $24s$ to $25s$ (%)	\bar{x}_1 to $25s_1$ (%)	\bar{x}_2 to $25s_2$ (%)	\bar{x}_3 to $25s_3$ (%)
ac. $25s$ to $26s$ (%)	\bar{x}_1 to $26s_1$ (%)	\bar{x}_2 to $26s_2$ (%)	\bar{x}_3 to $26s_3$ (%)
ad. $26s$ to $27s$ (%)	\bar{x}_1 to $27s_1$ (%)	\bar{x}_2 to $27s_2$ (%)	\bar{x}_3 to $27s_3$ (%)
ae. $27s$ to $28s$ (%)	\bar{x}_1 to $28s_1$ (%)	\bar{x}_2 to $28s_2$ (%)	\bar{x}_3 to $28s_3$ (%)
af. $28s$ to $29s$ (%)	\bar{x}_1 to $29s_1$ (%)	\bar{x}_2 to $29s_2$ (%)	\bar{x}_3 to $29s_3$ (%)
ag. $29s$ to $30s$ (%)	\bar{x}_1 to $30s_1$ (%)	\bar{x}_2 to $30s_2$ (%)	\bar{x}_3 to $30s_3$ (%)
ah. $30s$ to $31s$ (%)	\bar{x}_1 to $31s_1$ (%)	\bar{x}_2 to $31s_2$ (%)	\bar{x}_3 to $31s_3$ (%)
ai. $31s$ to $32s$ (%)	\bar{x}_1 to $32s_1$ (%)	\bar{x}_2 to $32s_2$ (%)	\bar{x}_3 to $32s_3$ (%)
aj. $32s$ to $33s$ (%)	\bar{x}_1 to $33s_1$ (%)	\bar{x}_2 to $33s_2$ (%)	\bar{x}_3 to $33s_3$ (%)
ak. $33s$ to $34s$ (%)	\bar{x}_1 to $34s_1$ (%)	\bar{x}_2 to $34s_2$ (%)	\bar{x}_3 to $34s_3$ (%)
al. $34s$ to $35s$ (%)	\bar{x}_1 to $35s_1$ (%)	\bar{x}_2 to $35s_2$ (%)	\bar{x}_3 to $35s_3$ (%)
am. $35s$ to $36s$ (%)	\bar{x}_1 to $36s_1$ (%)	\bar{x}_2 to $36s_2$ (%)	\bar{x}_3 to $36s_3$ (%)
an. $36s$ to $37s$ (%)	\bar{x}_1 to $37s_1$ (%)	\bar{x}_2 to $37s_2$ (%)	\bar{x}_3 to $37s_3$ (%)
ao. $37s$ to $38s$ (%)	\bar{x}_1 to $38s_1$ (%)	\bar{x}_2 to $38s_2$ (%)	\bar{x}_3 to $38s_3$ (%)
ap. $38s$ to $39s$ (%)	\bar{x}_1 to $39s_1$ (%)	\bar{x}_2 to $39s_2$ (%)	\bar{x}_3 to $39s_3$ (%)
aq. $39s$ to $40s$ (%)	\bar{x}_1 to $40s_1$ (%)	\bar{x}_2 to $40s_2$ (%)	\bar{x}_3 to $40s_3$ (%)
ar. $40s$ to $41s$ (%)	\bar{x}_1 to $41s_1$ (%)	\bar{x}_2 to $41s_2$ (%)	\bar{x}_3 to $41s_3$ (%)
as. $41s$ to $42s$ (%)	\bar{x}_1 to $42s_1$ (%)	\bar{x}_2 to $42s_2$ (%)	\bar{x}_3 to $42s_3$ (%)
at. $42s$ to $43s$ (%)	\bar{x}_1 to $43s_1$ (%)	\bar{x}_2 to $43s_2$ (%)	\bar{x}_3 to $43s_3$ (%)
au. $43s$ to $44s$ (%)	\bar{x}_1 to $44s_1$ (%)	\bar{x}_2 to $44s_2$ (%)	\bar{x}_3 to $44s_3$ (%)
av. $44s$ to $45s$ (%)	\bar{x}_1 to $45s_1$ (%)	\bar{x}_2 to $45s_2$ (%)	\bar{x}_3 to $45s_3$ (%)
aw. $45s$ to $46s$ (%)	\bar{x}_1 to $46s_1$ (%)	\bar{x}_2 to $46s_2$ (%)	\bar{x}_3 to $46s_3$ (%)
ax. $46s$ to $47s$ (%)	\bar{x}_1 to $47s_1$ (%)	\bar{x}_2 to $47s_2$ (%)	\bar{x}_3 to $47s_3$ (%)
ay. $47s$ to $48s$ (%)	\bar{x}_1 to $48s_1$ (%)	\bar{x}_2 to $48s_2$ (%)	\bar{x}_3 to $48s_3$ (%)
az. $48s$ to $49s$ (%)	\bar{x}_1 to $49s_1$ (%)	\bar{x}_2 to $49s_2$ (%)	\bar{x}_3 to $49s_3$ (%)
ba. $49s$ to $50s$ (%)	\bar{x}_1 to $50s_1$ (%)	\bar{x}_2 to $50s_2$ (%)	\bar{x}_3 to $50s_3$ (%)
bb. $50s$ to $51s$ (%)	\bar{x}_1 to $51s_1$ (%)	\bar{x}_2 to $51s_2$ (%)	\bar{x}_3 to $51s_3$ (%)
bc. $51s$ to $52s$ (%)	\bar{x}_1 to $52s_1$ (%)	\bar{x}_2 to $52s_2$ (%)	\bar{x}_3 to $52s_3$ (%)
bd. $52s$ to $53s$ (%)	\bar{x}_1 to $53s_1$ (%)	\bar{x}_2 to $53s_2$ (%)	\bar{x}_3 to $53s_3$ (%)
be. $53s$ to $54s$ (%)	\bar{x}_1 to $54s_1$ (%)	\bar{x}_2 to $54s_2$ (%)	\bar{x}_3 to $54s_3$ (%)
bf. $54s$ to $55s$ (%)	\bar{x}_1 to $55s_1$ (%)	\bar{x}_2 to $55s_2$ (%)	\bar{x}_3 to $55s_3$ (%)
bg. $55s$ to $56s$ (%)	\bar{x}_1 to $56s_1$ (%)	\bar{x}_2 to $56s_2$ (%)	\bar{x}_3 to $56s_3$ (%)
bh. $56s$ to $57s$ (%)	\bar{x}_1 to $57s_1$ (%)	\bar{x}_2 to $57s_2$ (%)	\bar{x}_3 to $57s_3$ (%)
bi. $57s$ to $58s$ (%)	\bar{x}_1 to $58s_1$ (%)	\bar{x}_2 to $58s_2$ (%)	\bar{x}_3 to $58s_3$ (%)
bj. $58s$ to $59s$ (%)	\bar{x}_1 to $59s_1$ (%)	\bar{x}_2 to $59s_2$ (%)	\bar{x}_3 to $59s_3$ (%)
bk. $59s$ to $60s$ (%)	\bar{x}_1 to $60s_1$ (%)	\bar{x}_2 to $60s_2$ (%)	\bar{x}_3 to $60s_3$ (%)
bl. $60s$ to $61s$ (%)	\bar{x}_1 to $61s_1$ (%)	\bar{x}_2 to $61s_2$ (%)	\bar{x}_3 to $61s_3$ (%)
bm. $61s$ to $62s$ (%)	\bar{x}_1 to $62s_1$ (%)	\bar{x}_2 to $62s_2$ (%)	\bar{x}_3 to $62s_3$ (%)
bn. $62s$ to $63s$ (%)	\bar{x}_1 to $63s_1$ (%)	\bar{x}_2 to $63s_2$ (%)	\bar{x}_3 to $63s_3$ (%)
bo. $63s$ to $64s$ (%)	\bar{x}_1 to $64s_1$ (%)	\bar{x}_2 to $64s_2$ (%)	\bar{x}_3 to $64s_3$ (%)
bp. $64s$ to $65s$ (%)	\bar{x}_1 to $65s_1$ (%)	\bar{x}_2 to $65s_2$ (%)	\bar{x}_3 to $65s_3$ (%)
bq. $65s$ to $66s$ (%)	\bar{x}_1 to $66s_1$ (%)	\bar{x}_2 to $66s_2$ (%)	\bar{x}_3 to $66s_3$ (%)
br. $66s$ to $67s$ (%)	\bar{x}_1 to $67s_1$ (%)	\bar{x}_2 to $67s_2$ (%)	\bar{x}_3 to $67s_3$ (%)
bs. $67s$ to $68s$ (%)	\bar{x}_1 to $68s_1$ (%)	\bar{x}_2 to $68s_2$ (%)	\bar{x}_3 to $68s_3$ (%)
bt. $68s$ to $69s$ (%)	\bar{x}_1 to $69s_1$ (%)	\bar{x}_2 to $69s_2$ (%)	\bar{x}_3 to $69s_3$ (%)
bu. $69s$ to $70s$ (%)	\bar{x}_1 to $70s_1$ (%)	\bar{x}_2 to $70s_2$ (%)	\bar{x}_3 to $70s_3$ (%)
bv. $70s$ to $71s$ (%)	\bar{x}_1 to $71s_1$ (%)	\bar{x}_2 to $71s_2$ (%)	\bar{x}_3 to $71s_3$ (%)
bw. $71s$ to $72s$ (%)	\bar{x}_1 to $72s_1$ (%)	\bar{x}_2 to $72s_2$ (%)	\bar{x}_3 to $72s_3$ (%)
bx. $72s$ to $73s$ (%)	\bar{x}_1 to $73s_1$ (%)	\bar{x}_2 to $73s_2$ (%)	\bar{x}_3 to $73s_3$ (%)
by. $73s$ to $74s$ (%)	\bar{x}_1 to $74s_1$ (%)	\bar{x}_2 to $74s_2$ (%)	\bar{x}_3 to $74s_3$ (%)
bz. $74s$ to $75s$ (%)	\bar{x}_1 to $75s_1$ (%)	\bar{x}_2 to $75s_2$ (%)	\bar{x}_3 to $75s_3$ (%)
ca. $75s$ to $76s$ (%)	\bar{x}_1 to $76s_1$ (%)	\bar{x}_2 to $76s_2$ (%)	\bar{x}_3 to $76s_3$ (%)
cb. $76s$ to $77s$ (%)	\bar{x}_1 to $77s_1$ (%)	\bar{x}_2 to $77s_2$ (%)	\bar{x}_3 to $77s_3$ (%)
cc. $77s$ to $78s$ (%)	\bar{x}_1 to $78s_1$ (%)	\bar{x}_2 to $78s_2$ (%)	\bar{x}_3 to $78s_3$ (%)
cd. $78s$ to $79s$ (%)	\bar{x}_1 to $79s_1$ (%)	\bar{x}_2 to $79s_2$ (%)	\bar{x}_3 to $79s_3$ (%)
ce. $79s$ to $80s$ (%)	\bar{x}_1 to $80s_1$ (%)	\bar{x}_2 to $80s_2$ (%)	\bar{x}_3 to $80s_3$ (%)
cf. $80s$ to $81s$ (%)	\bar{x}_1 to $81s_1$ (%)	\bar{x}_2 to $81s_2$ (%)	\bar{x}_3 to $81s_3$ (%)
cg. $81s$ to $82s$ (%)	\bar{x}_1 to $82s_1$ (%)	\bar{x}_2 to $82s_2$ (%)	\bar{x}_3 to $82s_3$ (%)
ch. $82s$ to $83s$ (%)	\bar{x}_1 to $83s_1$ (%)	\bar{x}_2 to $83s_2$ (%)	\bar{x}_3 to $83s_3$ (%)
ci. $83s$ to $84s$ (%)	\bar{x}_1 to $84s_1$ (%)	\bar{x}_2 to $84s_2$ (%)	\bar{x}_3 to $84s_3$ (%)
cj. $84s$ to $85s$ (%)	\bar{x}_1 to $85s_1$ (%)	\bar{x}_2 to $85s_2$ (%)	\bar{x}_3 to $85s_3$ (%)
ck. $85s$ to $86s$ (%)	\bar{x}_1 to $86s_1$ (%)	\bar{x}_2 to $86s_2$ (%)	\bar{x}_3 to $86s_3$ (%)
cl. $86s$ to $87s$ (%)	\bar{x}_1 to $87s_1$ (%)	\bar{x}_2 to $87s_2$ (%)	\bar{x}_3 to $87s_3$ (%)
cm. $87s$ to $88s$ (%)	\bar{x}_1 to $88s_1$ (%)	\bar{x}_2 to $88s_2$ (%)	\bar{x}_3 to $88s_3$ (%)
cn. $88s$ to $89s$ (%)	\bar{x}_1 to $89s_1$ (%)	\bar{x}_2 to $89s_2$ (%)	\bar{x}_3 to $89s_3$ (%)
co. $89s$ to $90s$ (%)	\bar{x}_1 to $90s_1$ (%)	\bar{x}_2 to $90s_2$ (%)	\bar{x}_3 to $90s_3$ (%)
cp. $90s$ to $91s$ (%)	\bar{x}_1 to $91s_1$ (%)	\bar{x}_2 to $91s_2$ (%)	\bar{x}_3 to $91s_3$ (%)
cq. $91s$ to $92s$ (%)	\bar{x}_1 to $92s_1$ (%)	\bar{x}_2 to $92s_2$ (%)	\bar{x}_3 to $92s_3$ (%)
cr. $92s$ to $93s$ (%)	\bar{x}_1 to $93s_1$ (%)	\bar{x}_2 to $93s_2$ (%)	\bar{x}_3 to $93s_3$ (%)
cs. $93s$ to $94s$ (%)	\bar{x}_1 to $94s_1$ (%)	\bar{x}_2 to $94s_2$ (%)	\bar{x}_3 to $94s_3$ (%)
ct. $94s$ to $95s$ (%)	\bar{x}_1 to $95s_1$ (%)	\bar{x}_2 to $95s_2$ (%)	\bar{x}_3 to $95s_3$ (%)
cu. $95s$ to $96s$ (%)	\bar{x}_1 to $96s_1$ (%)	\bar{x}_2 to $96s_2$ (%)	\bar{x}_3 to $96s_3$ (%)
cv. $96s$ to $97s$ (%)	\bar{x}_1 to $97s_1$ (%)	\bar{x}_2 to $97s_2$ (%)	\bar{x}_3 to $97s_3$ (%)
cw. $97s$ to $98s$ (%)	\bar{x}_1 to $98s_1$ (%)	\bar{x}_2 to $98s_2$ (%)	\bar{x}_3 to $98s_3$ (%)
cx. $98s$ to $99s$ (%)	\bar{x}_1 to $99s_1$ (%)	\bar{x}_2 to $99s_2$ (%)	\bar{x}_3 to $99s_3$ (%)
cy. $99s$ to $100s$ (%)	\bar{x}_1 to $100s_1$ (%)		

1. SAMPLE NUMBER	66-141-1 continued	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3049 32-34	30-30	39-42
10. SUBSAMPLE DEPTH IN CORE (m.)	32-34	30-36	39-42
11. COLOR	Olive Gray 5Y4/1, Medium Gray N5	Olive Gray 5Y4/1, Medium Gray N5	Medium Gray N6 Black N1
12. MOON			
13. WET DENSITY (lb./ft. ³)			
14. FIDUCIAL (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_1 to ϕ_2 (%)	5	5	5
b. ϕ_1 to ϕ_2 (%)	2	2	2
c. ϕ_1 to ϕ_2 (%)	1	1	1
d. ϕ_1 to ϕ_2 (%)	0.410	0.410	0.410
e. ϕ_1 to ϕ_2 (%)	2	2	2
f. ϕ_1 to ϕ_2 (%)	11	11	11
g. ϕ_1 to ϕ_2 (%)	10	10	10
h. ϕ_1 to ϕ_2 (%)	15	15	15
i. ϕ_1 to ϕ_2 (%)	28	27	27
j. ϕ_1 to ϕ_2 (%)	33	29	29
20. SUBSAMPLE DRY WEIGHT (gm)	28.28	31.21	36.41
21. SPHERICITY (%)			
22. PLASTICITY (%)	High	High	High
23. SHRECK-TESTING SHELL (%)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	36-118 Clay + Silt - Clay balls at 42", 64" Black layers become numerous and thick at 45" Beginning at 20", soft olive gray mud 36-8" areas of soft olive gray mud		
Sediment Type	Silty Mud	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-141-1 continued	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	30-43	39-45	39-46
10. SUBSAMPLE DEPTH IN CORE (m.)	37-39	43-45	72-74
11. COLOR	Olive Gray 5Y4/1, Medium Gray N5	Olive Gray 5Y4/1, Medium Gray N5	Medium Gray N5
12. MOON			
13. WET DENSITY (lb./ft. ³)			
14. FIDUCIAL (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_1 to ϕ_2 (%)	5	5	5
b. ϕ_1 to ϕ_2 (%)	2	2	2
c. ϕ_1 to ϕ_2 (%)	1	1	1
d. ϕ_1 to ϕ_2 (%)	0.410	0.410	0.410
e. ϕ_1 to ϕ_2 (%)	2	2	2
f. ϕ_1 to ϕ_2 (%)	11	11	11
g. ϕ_1 to ϕ_2 (%)	10	10	10
h. ϕ_1 to ϕ_2 (%)	15	15	15
i. ϕ_1 to ϕ_2 (%)	28	27	27
j. ϕ_1 to ϕ_2 (%)	33	29	29
20. SUBSAMPLE DRY WEIGHT (gm)	35.36	34.16	39.00
21. SPHERICITY (%)			
22. PLASTICITY (%)	High	High	High
23. SHRECK-TESTING SHELL (%)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	57-58 Soft olive gray mud 81-83 Hard gritty + granular layer 83-89 Many dark bands + areas of soft mud. 89-118 Regular black layering		
Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-141-1 continued				5. SAMPLER TYPE	
2. LATITUDE					5. WATER DEPTH (m.)	
3. LONGITUDE					7. CORE LENGTH (m.)	
4. DATE (day, month, year)					6. CORE PRESERVATION (%)	
9. LABORATORY NUMBERS	39557	39558	39559	39560		
10. SUBSAMPLE DEPTH IN CORE (m.)	21-53	23-85	27-41	31-93		
11. COLOR	Medium Gray	Medium Gray	Medium Gray	Medium Gray		
	NS	NS	NS	NS		
12. DGR						
13. NET DENSITY (lb./ft ³)						
14. RIGIDITY (cm)						
15. MAXIMUM POROSITY (%)						
16. MINIMUM POROSITY (%)						
17. WATER CONTENT (%)						
18. ORGANIC CARBON CONTENT (%)						
19. SITE ANALYSIS AND STATISTICAL MEASURES						
20. SUBSAMPLE DRY WEIGHT (g)	9	9	9	9		
21. SPHERICITY (cm)						
22. SPHERICITY (cm) Plasticity						
23. SPHERICITY (cm) Plasticity						
24. DOMINANT MINERAL (%)						
25. SECONDARY MINERAL (%)						
26. OTHER MINERAL (%)						
27. REMARKS:						

Sediment Type: Silty Silt Clayey Silt Clayey Silt

1. SAMPLE NUMBER	65-141-1 continued				5. SAMPLER TYPE	
2. LATITUDE					5. WATER DEPTH (m.)	
3. LONGITUDE					7. CORE LENGTH (m.)	
4. DATE (day, month, year)					6. CORE PRESERVATION (%)	
9. LABORATORY NUMBERS	39661	39662	39663	39664		
10. SUBSAMPLE DEPTH IN CORE (m.)	17-102	17-102	17-102	17-102		
11. COLOR	Medium Gray	Medium Gray	Medium Gray	Medium Gray		
	NS	NS	NS	NS		
12. DGR						
13. NET DENSITY (lb./ft ³)						
14. RIGIDITY (cm)						
15. MAXIMUM POROSITY (%)						
16. MINIMUM POROSITY (%)						
17. WATER CONTENT (%)						
18. ORGANIC CARBON CONTENT (%)						
19. SITE ANALYSIS AND STATISTICAL MEASURES						
20. SUBSAMPLE DRY WEIGHT (g)	8	8	8	8		
21. SPHERICITY (cm)						
22. SPHERICITY (cm) Plasticity						
23. SPHERICITY (cm) Plasticity						
24. DOMINANT MINERAL (%)						
25. SECONDARY MINERAL (%)						
26. OTHER MINERAL (%)						
27. REMARKS:						

Sediment Type: Clayey Silt Clayey Silt

1. SAMPLE NUMBER	66-142-1	5. SAMPLER TYPE	KULLENBERG	
2. LATITUDE	44° 16'	6. WATER DEPTH (m.)	16.2	
3. LONGITUDE	68° 53' W	7. CORE LENGTH (m.)	92	
4. DATE (day, month, year)	15 SEPTEMBER 1959	8. CORE PENETRATION (m.)	120	
9. LABORATORY NUMBERS	3878	9. LABORATORY NUMBERS	3879	
10. SUBSAMPLER DEPTH IN CORE (m.)	0-4	10. SUBSAMPLER DEPTH IN CORE (m.)	4-6	
11. COLOR	Dark Greenish Gray (50-60)	11. COLOR	Dark Greenish Gray (51-61)	
12. DOOR		12. DOOR		
13. WET DENSITY (lb./cc)		13. WET DENSITY (lb./cc)		
14. FIDUCIAL (mm)		14. FIDUCIAL (mm)		
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)		
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)		
17. WATER CONTENT (%)		17. WATER CONTENT (%)		
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. $\phi_{100} - \phi_{200}$ (%)	13	OP ₁	OP ₂	OP ₃
b. $\phi_{200} - \phi_{400}$ (%)	1	SK ₁	SK ₂	SK ₃
c. $\phi_{400} - \phi_{600}$ (%)	1	MS ₁	MS ₂	MS ₃
d. $\phi_{600} - \phi_{800}$ (%)	1	OP ₁	OP ₂	OP ₃
e. $\phi_{800} - \phi_{1000}$ (%)	2	OP ₁	OP ₂	OP ₃
f. $\phi_{1000} - \phi_{2000}$ (%)	4	OP ₁	OP ₂	OP ₃
g. $\phi_{2000} - \phi_{4000}$ (%)	9	OP ₁	OP ₂	OP ₃
h. $\phi_{4000} - \phi_{6000}$ (%)	16	OP ₁	OP ₂	OP ₃
i. $\phi_{6000} - \phi_{8000}$ (%)	27	OP ₁	OP ₂	OP ₃
j. $\phi_{8000} - \phi_{10000}$ (%)	27	OP ₁	OP ₂	OP ₃
20. SUBSAMPLER DRY WEIGHT (gm)	35.21	20. SUBSAMPLER DRY WEIGHT (gm)	29.92	36.05
21. SPHERICITY (avg)	High	21. SPHERICITY (avg)	High	High
22. PLASTICITY	Plasticity	22. PLASTICITY	Plasticity	Plasticity
23. MINERAL	0	23. MINERAL	0	0
24. SECONDARY MINERAL (%)		24. SECONDARY MINERAL (%)		
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)		
27. REMARKS				
0-4" TEAMS 11-26 DETERMINED IN THE LAB				
0-4" Soft green, pebbly mud, with black and gray layers.				
4-10" Soft green, pebbly mud, green black				
4-10" Hard, sticky clay, lenses of olive green mud, dark layers.				
10-18" Hard, sticky clay, lenses of olive green mud, dark layers.				
SEDIMENT TYPE				
CLAYEY SILT				
CLAYEY SILT				
CLAYEY SILT				

ITEMS 11-66 DETERMINED IN THE LAB.
 0-4" Soft green, pebbly mud w/ black and gray layers.
 4-11" Thin layer of hard sticky, green clay
 11-18" Hard, gray clay-silt, lenses of olive gray mud, dark layers.

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-142-1, CONTINUED		5. SAMPLER TYPE	
2. LATITUDE			6. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE (Day, month, year)			8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3882	3883 *	9. LABORATORY NUMBERS	3884
10. SUBSAMPLER DEPTH IN CORE (m.)	17-22	22-24	10. SUBSAMPLER DEPTH IN CORE (m.)	29-31
11. COLOR	Blue Gray (51-61)	Medium Dark Gray (40-50) N.Y.	11. COLOR	Medium Gray (45) N.Y.
12. DOOR			12. DOOR	
13. WET DENSITY (lb./ft. ³)			13. WET DENSITY (lb./ft. ³)	
14. RESIDUAL (mm)			14. RESIDUAL (mm)	
15. MAXIMUM POROSITY (%)			15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)			16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)			17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)			18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. ϕ_{25} to ϕ_{40} (%)	1	OP ₁	OP ₂	OP ₃
b. ϕ_{40} to ϕ_{60} (%)	1	SK ₁	SK ₂	SK ₃
c. ϕ_{60} to ϕ_{80} (%)	1	MS ₁	MS ₂	MS ₃
d. ϕ_{80} to ϕ_{100} (%)	2	OP ₁	OP ₂	OP ₃
e. ϕ_{100} to ϕ_{200} (%)	3	OP ₁	OP ₂	OP ₃
f. ϕ_{200} to ϕ_{400} (%)	9	OP ₁	OP ₂	OP ₃
g. ϕ_{400} to ϕ_{600} (%)	18	OP ₁	OP ₂	OP ₃
h. ϕ_{600} to ϕ_{800} (%)	17	OP ₁	OP ₂	OP ₃
i. ϕ_{800} to ϕ_{1000} (%)	23	OP ₁	OP ₂	OP ₃
j. ϕ_{1000} to ϕ_{2000} (%)	25	OP ₁	OP ₂	OP ₃
20. SUBSAMPLER DRY WEIGHT (gm)	30.85	35.70	43.36	35.47
21. SPHERICITY (mm)	Low	High	High	High
22. PLASTICITY	Plasticity	Plasticity	Plasticity	Plasticity
23. MINERAL	0	0	0	0
24. SECONDARY MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS: * The sample contained dark streaks. 18-22" Sandy, soft, mud 22-24" 51-ft. clay w/ soft streaks of olive gray mud, black layer at 25"				
Sediment Type	Sluv. Mud	Clayey Silt	Clayey Silt	Clayey Silt

* THE SAMPLE CONTAINED DARK SPHERES.
 18-22" Sandy, soft mud
 22-92 Silt-clay w/ soft lenses of olive gray mud, dark layer at 54"

SEDIMENT TYPE	SILT AND CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	65-142-1: CONTINUED	5. SAMPLER TYPE	
2. LATITUDE	44° 16' 51" N	7. CORE LENGTH (m.)	
3. LONGITUDE	68° 52' 06" W	8. CORE PENETRATION (m.)	
4. DATE (day, month, year)	16 September 1959		
5. LABORATORY NUMBERS	3976 * 3987 3989		
6. SUBSAMPLE DEPTH IN CORE (m.)	72-74		
7. COLOR	Medium Gray (M5) M/W Black (M1) M5	Medium Gray (M5) M/W Moderate Olive Brown (S14a) Brown (S14a)	Medium Gray (M5) M/W Moderate Olive Brown (S14a) Brown (S14a)
8. WATER CONTENT (%)			
9. ORGANIC CARBON CONTENT (%)			
10. SITE ANALYSIS AND STATISTICAL MEASURES			
a. \bar{x} , s^2 , (s)	CO ₂	CO ₂	CO ₂
b. \bar{x} , s^2 , 10^{-1} , (s)	SR ₂	SR ₂	SR ₂
c. \bar{x} , 10^{-1} , 10^{-2} , (s)	MS ₂ 8.37	MS ₂ 8.50	MS ₂ 8.76
d. \bar{x} , 10^{-1} , (s)	01, 6.37	01, 6.38	01, 6.61
e. \bar{x} , 10^{-2} , (s)	03 ₂	03 ₂	03 ₂
f. \bar{x} , 10^{-3} , (s)			
g. \bar{x} , 10^{-4} , (s)			
h. \bar{x} , 10^{-5} , (s)	18	19	16
i. \bar{x} , 10^{-6} , (s)	38	35	34
j. \bar{x} , 10^{-7} , (s)	41	44	47
20. SUBSTANCE DRY WEIGHT (mg)	3157	3690	3857
21. SPECIFICITY (AVE.)			
22. MINERALOGY	Highly plastic	Highly plastic	Highly plastic
23. DOMINANT MINERAL (%)	0	0	0
24. DOMINANT MINERAL (S)			
25. SECONDARY MINERAL (S)			
26. OTHER MINERALS (S)			
27. REMARKS	* THE SAMPLE CONTAINED A HARD BLACK FOYER. Lenses of hard, stiff, yellow-green clay at 74", 81", 85", 92"		

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-144-1		
2. LATITUDE	44° 16' 51" N		
3. LONGITUDE	68° 52' 06" W		
4. DATE (day, month, year)	16 September 1959		
5. LABORATORY NUMBERS	5317		
6. SUBSAMPLE DEPTH IN CORE (m.)	19.3		
7. COLOR	Dark Yellowish Brown 10YR 4/2		
8. WATER CONTENT (%)			
9. ORGANIC CARBON CONTENT (%)			
10. SITE ANALYSIS AND STATISTICAL MEASURES			
a. \bar{x} , s^2 , (s)	87	87	87
b. \bar{x} , s^2 , 10^{-1} , (s)	7	7	7
c. \bar{x} , 10^{-1} , 10^{-2} , (s)	10	10	10
d. \bar{x} , 10^{-1} , (s)	15	15	15
e. \bar{x} , 10^{-2} , (s)	10	10	10
f. \bar{x} , 10^{-3} , (s)	3	3	3
g. \bar{x} , 10^{-4} , (s)	5	5	5
h. \bar{x} , 10^{-5} , (s)	4	4	4
i. \bar{x} , 10^{-6} , (s)	9	9	9
j. \bar{x} , 10^{-7} , (s)	10	10	10
20. SUBSTANCE DRY WEIGHT (mg)	32.7%	32.7%	32.7%
21. SPECIFICITY (AVE.)			
22. MINERALOGY	Plasticity	Plasticity	Plasticity
23. DOMINANT MINERAL (%)	2.0	2.0	2.0
24. DOMINANT MINERAL (S)			
25. SECONDARY MINERAL (S)			
26. OTHER MINERALS (S)			
27. REMARKS	Items 11-26 determined in the lab		

SEDIMENT TYPE	Pebbly Sand
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1. SAMPLE NUMBER	66-145-1	5. SAMPLER TYPE	KULLENDERS
2. LATITUDE	44 19 02 N	6. WATER DEPTH (m.)	13.3
3. LONGITUDE	68 53 08 W	7. CORE LENGTH (m.)	12.4
4. DATE (day, month, year)	15 SEPT. 1959	8. CORE PENETRATION (m.)	13.4
9. LABORATORY NUMBERS	3528	9. SUBSAMPLE DEPTH IN CORE (m.)	3529 3530 3531
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	4-6 1/2 6 1/2-9
11. COLOR	GREENISH BROWN	11. COLOR	OLIVE GRAY OLIVE GRAY
12. DOOR	542/1	12. DOOR	542/1
13. NET DENSITY (lb./ft ³)	VERY FOUL	13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. WATSON POROSITY (%)		15. WATSON POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
19.1 - 2.0 (5)	0.5	19.2 - 2.0 (5)	0.5
20. SUBSAMPLER DRY WEIGHT (gm)	15.63	20. SUBSAMPLER DRY WEIGHT (gm)	17.56
21. SPECIFIC GRAVITY	High	21. SPECIFIC GRAVITY	High
22. PLASTICITY	Plasticity	22. PLASTICITY	Plasticity
23. SHEDDING - PLASTICITY - SHELL G.	0	23. SHEDDING - PLASTICITY - SHELL G.	0
24. DRY WEIGHT (gm)	40	24. DRY WEIGHT (gm)	40
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS: ITRM 11-26 DETERMINED IN THE LAB. * CONTAINED DARK STREAMS			
A few shell fragments and worm burrows scattered throughout.			
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-145-1	5. SAMPLER TYPE	CONTINUED
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3532	9. SUBSAMPLE DEPTH IN CORE (m.)	3533 3534
10. SUBSAMPLE DEPTH IN CORE (m.)	52-54	10. SUBSAMPLE DEPTH IN CORE (m.)	80-82
11. COLOR	OLIVE GRAY	11. COLOR	OLIVE GRAY OLIVE GRAY
12. DOOR	542/1	12. DOOR	542/1
13. NET DENSITY (lb./ft ³)		13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. WATSON POROSITY (%)		15. WATSON POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
19.1 - 2.0 (5)	0.5	19.2 - 2.0 (5)	0.5
20. SUBSAMPLER DRY WEIGHT (gm)	8.70	20. SUBSAMPLER DRY WEIGHT (gm)	8.82
21. SPECIFIC GRAVITY	High	21. SPECIFIC GRAVITY	High
22. PLASTICITY	Plasticity	22. PLASTICITY	Plasticity
23. SHEDDING - PLASTICITY - SHELL G.	0	23. SHEDDING - PLASTICITY - SHELL G.	0
24. DRY WEIGHT (gm)	40	24. DRY WEIGHT (gm)	40
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS: CONTINUED. 0-6% many asfenned ing layers of green + black clay. 107-110 zone of many dark layers.			
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-146-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 18' N	5. WATER DEPTH (m.)	26.7
3. LONGITUDE	68° 51' W	7. CORE LENGTH (m.)	122
4. DATE (day, month, year)	15 SEPTEMBER 1959	8. CORE PENETRATION (m.)	122
9. LABORATORY NUMBERS	3634 *	9. SUSPENSIBLE DEPTH IN CORE (m.)	3636 *
10. SUBSAMPLABLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLABLE DEPTH IN CORE (m.)	50-52
11. COLOR	OLIVE GRAY (SY 41)	11. COLOR	OLIVE GRAY (SY 32)
12. DOOR	FOUL	12. DOOR	
13. WET DENSITY (lb./ft. ³)		13. WET DENSITY (lb./ft. ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. MAXIMUM PROSITY (%)		15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)		16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL VALUES			
a. $\bar{x} \pm 2s$ (s)	SD ₂	SD ₂	SD ₂
b. $\bar{x} \pm 2s$ to \bar{x}_1 (s)	SE ₂	SE ₂	SE ₂
c. \bar{x}_1 to \bar{x}_2 (s)	ME ₂	ME ₂	ME ₂
d. \bar{x}_1 to \bar{x}_3 (s)	01, 6.70	01, 5.94	01, 6.20
e. \bar{x}_1 to \bar{x}_4 (s)	02, 1	02, 1	02, 1
f. \bar{x}_1 to \bar{x}_5 (s)	1	1	1
g. \bar{x}_1 to \bar{x}_6 (s)	16	24	19
h. \bar{x}_1 to \bar{x}_7 (s)	36	34	36
i. \bar{x}_1 to \bar{x}_8 (s)	46	40	42
j. \bar{x}_1 to \bar{x}_9 (s)	15.53	21.51	19.39
20. SUSPENSIBLE DRY WEIGHT (gm)			
21. SPECIFICITY (avg.)			
22. MINIMUM TO MAXIMUM Plasticity	High	High	High
23. SUBSAMPLABLE TO SUSPENSIBLE Shell Cn.	<1%	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			
* THE SAMPLE CONTAINED DARK STREAMS.			
0-29 in. many dark layers & streaks.			
Color change at 24"			
SEDIMENT TYPE			
CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-146-1 CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3638	9. SUSPENSIBLE DEPTH IN CORE (m.)	3639
10. SUBSAMPLABLE DEPTH IN CORE (m.)	82-84	10. SUBSAMPLABLE DEPTH IN CORE (m.)	101-103
11. COLOR	OLIVE GRAY (SY 32)	11. COLOR	OLIVE GRAY (SY 32)
12. DOOR		12. DOOR	
13. WET DENSITY (lb./ft. ³)		13. WET DENSITY (lb./ft. ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. MAXIMUM PROSITY (%)		15. MAXIMUM PROSITY (%)	
16. MINIMUM PROSITY (%)		16. MINIMUM PROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL VALUES			
a. $\bar{x} \pm 2s$ (s)	SD ₂	SD ₂	SD ₂
b. $\bar{x} \pm 2s$ to \bar{x}_1 (s)	SE ₂	SE ₂	SE ₂
c. \bar{x}_1 to \bar{x}_2 (s)	ME ₂	ME ₂	ME ₂
d. \bar{x}_1 to \bar{x}_3 (s)	01, 6.65	01, 5.53	01, 7.00
e. \bar{x}_1 to \bar{x}_4 (s)	1	1	1
f. \bar{x}_1 to \bar{x}_5 (s)	1	1	1
g. \bar{x}_1 to \bar{x}_6 (s)	2	3	3
h. \bar{x}_1 to \bar{x}_7 (s)	17	19	17
i. \bar{x}_1 to \bar{x}_8 (s)	35	35	39
j. \bar{x}_1 to \bar{x}_9 (s)	44	55	36
20. SUSPENSIBLE DRY WEIGHT (gm)	24.8	19.4	26.76
21. SPECIFICITY (avg.)			
22. MINIMUM TO MAXIMUM Plasticity	High	High	High
23. SUBSAMPLABLE TO SUSPENSIBLE Shell Cn.	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			
113" sticky blue clay			
114" Hard sticky bluish-green clay			
116-122" green + olive brown clay w/ black layers.			
SEDIMENT TYPE			
CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-146-1 - CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3642 *		
10. SUBSAMPLE DEPTH IN CORE (m.)	116-117		
11. COLOR	Medium Brown (5Y 4/1)		
12. DUNE			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₂ (%)	10 ₂	10 ₂	10 ₂
b. -2 ₂ to -1 ₂ (%)	3 ₂	3 ₂	3 ₂
c. -1 ₂ to 0 ₂ (%)	46 ₂ 8.37	46 ₂	46 ₂
d. 0 ₂ to 1 ₂ (%)	2	0 ₂	0 ₂
e. 1 ₂ to 2 ₂ (%)	1	1	1
f. 2 ₂ to 3 ₂ (%)	1		
g. 3 ₂ to 4 ₂ (%)			
h. 4 ₂ to 5 ₂ (%)	11		
i. 5 ₂ to 6 ₂ (%)	51		
j. > 6 ₂ (%)	35		
20. SUBSAMPLE DRY WEIGHT (gm)	27.72		
21. SPECIFICITY (avg.)			
22. MINIMUM TO MAXIMUM Plasticity	H ₂ g ₂ h		
23. MINIMUM TO MAXIMUM Shell Cn.	0		
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS: * Mixed with Blue Green (5Y 4/2) and Green (5G 4/2).			

Sediment Type Clayey Silt Clayey Silt

1. SAMPLE NUMBER	66-147-1	5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44° 18' 50"	6. WATER DEPTH (m.)	27.8
3. LONGITUDE	68° 50' 01" W	7. CORE LENGTH (m.)	75
4. DATE (day, month, year)	15 September 1969	8. CORE PENETRATION (m.)	P
9. LABORATORY NUMBERS	4083		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	Dark Gray		
12. DUNE			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₂ (%)	10 ₂	10 ₂	10 ₂
b. -2 ₂ to -1 ₂ (%)	3 ₂	3 ₂	3 ₂
c. -1 ₂ to 0 ₂ (%)	46 ₂ 8.72	46 ₂ 8.75	46 ₂ 8.72
d. 0 ₂ to 1 ₂ (%)	0 ₂ 7.20	0 ₂ 7.30	0 ₂ 7.15
e. 1 ₂ to 2 ₂ (%)	1	1	1
f. 2 ₂ to 3 ₂ (%)			
g. 3 ₂ to 4 ₂ (%)			
h. 4 ₂ to 5 ₂ (%)	11	10	8
i. 5 ₂ to 6 ₂ (%)	43	44	44
j. > 6 ₂ (%)	44	45	45
20. SUBSAMPLE DRY WEIGHT (gm)	20.23	17.17	17.42
21. SPECIFICITY (avg.)			
22. MINIMUM TO MAXIMUM Plasticity	H ₂ g ₂ h	H ₂ g ₂ h	H ₂ g ₂ h
23. MINIMUM TO MAXIMUM Shell Cn.	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS: Items 11-26 determined in the lab.			
Depth (cm)	0-40	Composition	
40-72		Dark gray clay with many dark streaks and some soft olive areas	
72-75		Unconsolidated, liquid, olive mud	
		Dark gray clay with black streaks	
Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-147-1 continued	5. SAMPLER TYPE	
2. LATITUDE	44° 20' N	6. WATER DEPTH (m.)	
3. LONGITUDE	68° 51' W	7. CORE LENGTH (m.)	
4. DATE (day, month, year)	15 SEPTEMBER 1959	8. CORE PENETRATION (m.)	
9. LABORATORY NUMBER			
10. SUBSAMPLING DEPTH IN CORE (m.)	40-42	40-88	40-89*
11. COLOR	Olive Gray 5Y4/1	Olive Gray 5Y4/1	Dark Gray N3
12. ODR			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2, (<2)			
b. -2, to -1, (<1)			
c. -1, to 0, (<0)			
d. 0, to 1, (<1)			
e. 1, to 2, (<2)			
f. 2, to 3, (<3)			
g. 3, to 4, (<4)			
h. 4, to 6, (<6)			
i. 6, to 8, (<8)			
j. > 8, (>8)			
20. SUBSAMPLING DRY WEIGHT (g)	10.60	12.44	15.74
21. SPECIFIC GRAVITY			
22. WATER-RETENTION Plasticity	Med.	Med.	Med.
23. WATER-RETENTION Shrinkage Shell Ca.	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB. * The sample contained some streaks. * Dark streaks		
SEDIMENT TYPE	Clayey Silt	Clayey Silt	Silty Clay

1. SAMPLE NUMBER	66-148-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 20' N	6. WATER DEPTH (m.)	175
3. LONGITUDE	68° 51' W	7. CORE LENGTH (m.)	119
4. DATE (day, month, year)	15 SEPTEMBER 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBER			
10. SUBSAMPLING DEPTH IN CORE (m.)	0-2	0-8	8-10
11. COLOR	FAUL		
12. ODR			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2, (<2)			
b. -2, to -1, (<1)			
c. -1, to 0, (<0)			
d. 0, to 1, (<1)			
e. 1, to 2, (<2)			
f. 2, to 3, (<3)			
g. 3, to 4, (<4)			
h. 4, to 6, (<6)			
i. 6, to 8, (<8)			
j. > 8, (>8)			
20. SUBSAMPLING DRY WEIGHT (g)			
21. SPECIFIC GRAVITY			
22. WATER-RETENTION Plasticity	High	High	High
23. WATER-RETENTION Shrinkage Shell Ca.	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB. * The sample contained some streaks. A large piece (structure) - 2.7 x 1/2 x 5/8, 421 cm - was located at 40 mm.		
SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-148-1; CONTINUED					5. SAMPLER TYPE	
2. LATITUDE						5. WATER DEPTH (m.)	
3. LONGITUDE						7. CORE LENGTH (m.)	
4. DATE (day, month, year)						8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3754	3755	3756	3757			
10. SUBSAMPLE DEPTH IN CORE (m.)	13-15	15-18 1/2	18 1/2-22	22-24			
11. COLOR	Dark Greenish Gray (5.6% GY)				Dark Greenish Gray (5.6% GY)	Dark Green (5.4% GY)	Dark Green (5.4% GY)
12. DOOR							
13. WET DENSITY (lb./ft. ³)							
14. BULK DENSITY (gm)							
15. MAXIMUM POROSITY (%)							
16. MINIMUM POROSITY (%)							
17. WATER CONTENT (%)							
18. ORGANIC CARBON CONTENT (%)							
19. SIZE ANALYSIS AND STATISTICAL MEASURES							
a. -50 (5)	5	0%	3	0%	10%	10%	0%
b. -20 to -10 (5)	1	5%	1	5%	1	5%	1
c. -10 to 0 (5)	2	10%	2	10%	2	10%	1
d. 0 to +10 (5)	4	0%	3	0%	4	0%	2
e. +10 to +20 (5)	5	0%	4	0%	1	0%	3
f. +20 to +30 (5)	5	4%	4	2%	2	3%	3
g. +30 to +40 (5)	7	5%	5	3%	3	6%	6
h. +40 to +50 (5)	18	17%	17	24%	19	32%	19
i. +50 to +60 (5)	25	28%	28	34%	32	33%	32
j. +60 to +70 (5)	27	33%	33	34%	33	33%	33
k. +70 to +80 (5)	25-48	32-51	32-51	32-90	20-12	20-12	20-12
20. SUBSAMPLE DRY WEIGHT (gm)							
21. SPECIFIC GRAVITY							
22. PLASTICITY INDEX	High	High	High	High	High	High	High
23. SHRINKAGE LIMIT (mm/100mm)	0	0	0	0	0	0	0
24. DOMINANT MINERAL (%)							
25. SECONDARY MINERAL (%)							
26. OTHER MINERALS (%)							

27. REMARKS: Continued.
0-8" gray mud with black layers + granules
8-13" olive gray clay
13-18 1/2" Hard blue green

SEDIMENT TYPE	Silt	Mud	Clayey Silt	Clayey Silt
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1. SAMPLE NUMBER	66-148-1; CONTINUED					5. SAMPLER TYPE	
2. LATITUDE						5. WATER DEPTH (m.)	
3. LONGITUDE						7. CORE LENGTH (m.)	
4. DATE (day, month, year)						8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3758	3759	3760	3761			
10. SUBSAMPLE DEPTH IN CORE (m.)	26-28	28-30	30-40	40-41			
11. COLOR	Dark Green (5.4% MEDIUM BROWN MAY GREENISH GRAY				Olive Green (5.4%)		
12. DOOR	(5.6%)				(5.8%)		
13. MFT DENSITY (lb./ft. ³)							
14. BULK DENSITY (g/cm ³)							
15. MAXIMUM POROSITY (%)							
16. MINIMUM POROSITY (%)							
17. WATER CONTENT (%)							
18. ORGANIC CARBON CONTENT (%)							
19. SIZE ANALYSIS AND STATISTICAL MEASURES							
a. < 50 (5)		0%	0%	70	0%		
b. -20 to -10 (5)		1	5%	1	5%		
c. -10 to 0 (5)		1	5%	1	5%		
d. 0 to +10 (5)		0%	0%	3	0%		
e. +10 to +20 (5)		1	0%	1	0%		
f. +20 to +30 (5)		1	1%	1	1%		
g. +30 to +40 (5)		3	1%	1	4%		
h. +40 to +50 (5)		22	17%	6	16%		
i. +50 to +60 (5)		34	39%	10	28%		
j. +60 to +70 (5)		38	41%	10	28%		
20. SUBSAMPLE DRY WEIGHT (gm)							
21. SPECIFIC GRAVITY		25-22	26-61	28-34	18-82		
22. PLASTICITY INDEX		High	High	High	High		
23. SHRINKAGE LIMIT (mm/100mm)		0	0	0	0		
24. DOMINANT MINERAL (%)							
25. SECONDARY MINERAL (%)							
26. OTHER MINERALS (%)							

27. REMARKS: Continued.
18 1/2-28" Blue clay
28-40" Hard blue clay - pebbly at base
40-41" Unconsolidated - pebbles

SEDIMENT TYPE	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt
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1. SAMPLE NUMBER	66-147-1 CONTINUED	5. SAMPLE TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3762 41-46 44-48 48-50 3765		
10. SUBSAMPLE DEPTH IN CORE (m.)			
11. COLOR	Greenish Gray (5.6 Y), Min. Dark (5.8 Y), Min. Light (5.9 Y), Dark Brown (5.9 Y)		
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPHERICITY (%)			
22. PLASTICITY			
23. DOMINANT MINERAL (%)			
24. SECONDARY MINERAL (%)			
25. OTHER MINERALS (%)			
26. REMARKS	41-46" Greenish gray w/hard sticky zones 46-48" Soft olive gray w/black layers. 48-50" Bluish green w/many yellowish green, hard mud balls.		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-148-1 CONTINUED	5. SAMPLE TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3766 69-72 72-75 3768		
10. SUBSAMPLE DEPTH IN CORE (m.)			
11. COLOR	Min. Dark (5.8 Y), Min. Light (5.9 Y), Dark Brown (5.9 Y)		
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPHERICITY (%)			
22. PLASTICITY			
23. DOMINANT MINERAL (%)			
24. SECONDARY MINERAL (%)			
25. OTHER MINERALS (%)			
26. REMARKS	The sample was composed entirely of a sand layer. 72-119" Gray w/ thick black layers beginning at 92".		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-48-1: CONTINUED	5. SIMPLER TYPE	
2. LATITUDE		7. CORE LENGTH (m.)	
3. LONGITUDE		8. CORE PENETRATION (m.)	
4. DATE (Day, month, year)			
9. LABORATORY NUMBERS	3770		
10. SUBSAMPLE DEPTH IN CORE (m.)	119-119		
11. COLOR	Dark Grey N 3		
12. ODR			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM PROSPECT (%)			
16. MINIMUM PROSPECT (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)	28.45	20.	0.2
21. SPECIFIC GRAVITY	Med.	21.	0.1
22. MINERALOGY	Plasticity	22.	0.1
23. MINERALOGY	Shall Co.	23.	0.1
24. MINERALOGY		24.	0.1
25. MINERALOGY		25.	0.1
26. MINERALOGY		26.	0.1
27. REMARKS:		27.	0.1

[illegible]

1. SAMPLE NUMBER	66-100-2	66-100-2	5. SAMPLER TYPE	
2. LATITUDE	44	50	6. WATER DEPTH (m)	23.2
3. LONGITUDE	68	50	7. CORE LENGTH (m)	126
4. DATE (DD, MON, YEAR)			8. CORE PENETRATION (m)	182
9. LABORATORY NUMBERS	3739	3740		
10. SUBSAMPLE DEPTH IN CORE (m)	77-79	92-98		
11. COLOR	Dark brownish brown (10YR 4/2)	Dark brownish brown (10YR 4/2)		
12. OTHER				
13. WET DENSITY (lb./ft ³)				
14. RESISTANCE (cm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
20. SUSAMPLE DRY WEIGHT (m)	1751	2310		
21. SPECIFIC GRAVITY				
22. SPERMATOPHYTES Plasticity	High	High		
23. SPERMATOPHYTES Shell Content	0	0		
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS:	unconfined.			

Shell scattered throughout core.

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-100-1	66-100-1	5. SAMPLER TYPE	
2. LATITUDE	44	50	6. WATER DEPTH (m)	23.2
3. LONGITUDE	68	50	7. CORE LENGTH (m)	126
4. DATE (DD, MON, YEAR)	15 SEPTEMBER 1959	15 SEPTEMBER 1959	8. CORE PENETRATION (m)	182
9. LABORATORY NUMBERS		3559		
10. SUBSAMPLE DEPTH IN CORE (m)		16-18		
11. COLOR		Darkish olive green (5GY 3/2)		
12. OTHER				
13. WET DENSITY (lb./ft ³)				
14. RESISTANCE (cm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
20. SUSAMPLE DRY WEIGHT (m)		2024		
21. SPECIFIC GRAVITY				
22. SPERMATOPHYTES Plasticity	High	High		
23. SPERMATOPHYTES Shell Content	0	0		
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS:	ITEMS 11-26 DETERMINED IN THE LAB.			

THE CORE CONTAINED DARK STREAKS IN THE FIRST SIX INCHES.
68-126 - Dark layers.

SEDIMENT TYPE	Silty Clay	Silty Clay	Clayey Silt	Silty Clay
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1. SAMPLE NUMBER	66-150-1 : CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3563	3564	3565
10. SUBSAMPLE DEPTH IN CORE (m.)	92-98	104-106	108-110
11. COLOR	GREENISH BLACK (5Y 4/1)	GREENISH BLACK (5Y 4/1)	DRK. GREENISH GRAY (5Y 4/1)
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2, (s)	10%	10%	10%
b. 2 ₅₀ to < 6 ₀ , (s)	5%	5%	5%
c. < 1 ₀ to 0 ₁ , (s)	ME 8.95	ME 8.93	ME 8.93
d. 0 ₁ to 1 ₀ , (s)	1 01.716	1 01.695	1 01.695
e. 1 ₀ to 2 ₅ , (s)	0%	0%	0%
f. 2 ₅ to 3 ₀ , (s)			
g. 3 ₀ to 4 ₀ , (s)			
h. 4 ₀ to 6 ₀ , (s)	10	9	13
i. 6 ₀ to 8 ₀ , (s)	40	38	37
j. > 8 ₀ , (s)	50	52	49
20. SUBSAMPLE DRY WEIGHT (gm)	1974	1958	2134
21. SPECIFICITY (gpc.)			17.99
22. MINERALOGY	Plasticity	High	High
23. MINERALOGY (from Shell Cn.)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	cores contained a few scattered shell fragments. 92-106 Dark, sticky		
SEDIMENT TYPE	SILTY CLAY	SILTY CLAY	CLAYEY SILT
			SILTY CLAY

1. SAMPLE NUMBER	66-51-1	5. SAMPLER TYPE	KILLEWATER
2. LATITUDE	44° 29' 51" N	6. WATER DEPTH (m.)	163
3. LONGITUDE	68° 53' 15" W	7. CORE LENGTH (m.)	
4. DATE (day, month, year)	15 September 1959	8. CORE PENETRATION (m.)	132
9. LABORATORY NUMBERS	3793	3794	3795
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	14-16	19-21
11. COLOR	DRY GRAY (5Y 4/2)	DRY GRAY (5Y 4/2)	DRY GRAY (5Y 4/2)
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2, (s)	10%	10%	10%
b. 2 ₅₀ to < 6 ₀ , (s)	2	2	2
c. < 1 ₀ to 0 ₁ , (s)	ME 8.46	ME 8.92	ME 8.46
d. 0 ₁ to 1 ₀ , (s)	01.688	01.600	01.342
e. 1 ₀ to 2 ₅ , (s)	1	1	1
f. 2 ₅ to 3 ₀ , (s)			
g. 3 ₀ to 4 ₀ , (s)			
h. 4 ₀ to 6 ₀ , (s)	11	8	9
i. 6 ₀ to 8 ₀ , (s)	45	36	24
j. > 8 ₀ , (s)	42	38	25
20. SUBSAMPLE DRY WEIGHT (gm)	1916	2315	1904
21. SPECIFICITY (gpc.)			41.63
22. MINERALOGY	Plasticity	High	High
23. MINERALOGY (from Shell Cn.)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	cores 11-26 determined in the lab. 0-24" of core intact - rest missing or disturbed - sacked. 8" gradual color change 0-6" & 14-21" black layers		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	SILTY MUD
			W/12% SAND

1. SAMPLE NUMBER	66-151-1 : CONTINUED	5. SAMPLER TYPE
2. DATE		3. WATER DEPTH (m.)
3. LOCATION		7. CORE LENGTH (m.)
4. DATE (1952, month, year)		8. CORE PENETRATION (m.)
9. LABORATORY NUMBERS	3797	
10. SUBSAMPLE DEPTH IN CORE (m.)	21-23	
11. CORES	21 Core (CV 42) 22. Medium & Low Core (50-51)	
12. 2008		
13. WET DENSITY (kg./lit.)		
14. RIGIDITY (cm)		
15. MAXIMUM PRESSURE (kg)		
16. MINIMUM PRESSURE (kg)		
17. WATER CONTENT (%)		
18. ORGANIC CARBON CONTENT (%)		
19. SITE ANALYSIS AND STATISTICAL METHODS		
20. SUBSAMPLE DRY WEIGHT (gm)	45.35	
21. SPECIFIC GRAVITY	1.19	
22. specific gravity ρ_{20}^4 at 14	0	
23. SHREDDER-RELEASED (mg. SiO_2 / gm)		
24. DOMINANT MINERAL (1)		
25. SECONDARY MINERAL (1)		
26. OTHER MINERALS (1)		
REMARKS:		

14" Hard lumpy clay
21" Hard blue clay

SEDIMENT TYPE	SILTY MUD
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[illegible]

17 REMARKS: TWO ARE 11-76 DETERMINED IN THE LAB.

* CONTAINED BLACK STREAKS (0-14")

XX-CONTAINED LIMONITIC STRAINS

14-15" Blue clay and Hard, dry brown clay
** CONTAINED LIMONITIC STRAINS

DATE	LOCATION	DEPTH	SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
12-10	Blue clay					

1. SAMPLE NUMBER	66-152-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE			5. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE (day, month, year)			8. CORE PENETRATION (m.)	
9. LABORATORY NUMBER	3550	3551	3552	3553
10. SUBSAMPLE DEPTH IN CORE (m.)	44-46	62-64	93-95	122-124
11. COLOR	GRAYISH OLIVE GREEN	GRAYISH OLIVE GREEN	GRAYISH OLIVE GREEN	GRAYISH OLIVE GREEN
	55Y 3/2	55Y 3/2	55Y 3/2	55Y 3/2
12. DGR				
13. WET DENSITY (N./H ³)				
14. RESISTANCE (cm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
20. ϕ_1 - 2, 2, 2, 2, 2				
21. ϕ_2 - 2, 2, 2, 2, 2				
22. ϕ_3 - 2, 2, 2, 2, 2				
23. ϕ_4 - 2, 2, 2, 2, 2				
24. ϕ_5 - 2, 2, 2, 2, 2				
25. ϕ_6 - 2, 2, 2, 2, 2				
26. ϕ_7 - 2, 2, 2, 2, 2				
27. ϕ_8 - 2, 2, 2, 2, 2				
28. ϕ_9 - 2, 2, 2, 2, 2				
29. ϕ_{10} - 2, 2, 2, 2, 2				
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227. ϕ_{208} - 2, 2, 2, 2, 2		</		

1. SAMPLE NUMBER	66-153-1 - CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3994		
10. SUBSAMPLE DEPTH IN CORE (m.)	123-125		
11. CORN	Green Clay (50% 92)		
12. DOOR			
13. NET DENSITY (m./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM PROSITY (%)			
16. MINIMUM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2, (s)	10 ₀	10 ₀	10 ₀
b. > 2, to < 1, (s)	34 ₀	34 ₀	34 ₀
c. < 1, to 0, (s)	90 ₀	90 ₀	90 ₀
d. 0, to 1, (s)	74 ₀	74 ₀	74 ₀
e. 1, to 2, (s)	0 ₀	0 ₀	0 ₀
f. 2, to 3, (s)	0 ₀	0 ₀	0 ₀
g. 3, to 4, (s)	10	6	
h. 4, to 5, (s)	40	43	
i. 5, to 6, (s)	50	51	
j. 6, (s)	22.84	14.84	
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPHERICITY (mg)			
22. SPHERICITY PLASTICITY	H ₁₃ 4	H ₁₃ 4	
23. SPHERICITY PLASTICITY	0	0	
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

1. SAMPLE NUMBER	66-154-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44 06 16 W	6. WATER DEPTH (m.)	287
3. LONGITUDE	69 02 10 W	7. CORE LENGTH (m.)	125
4. DATE (day, month, year)	16 SEPTEMBER 1962	8. CORE PENETRATION (m.)	132
9. LABORATORY NUMBERS	3779 A		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. CORN	Blue Clay (50% 92)		
12. DOOR			
13. NET DENSITY (m./ft ³)			
14. RIGIDITY (mm)			
15. MAXIMUM PROSITY (%)			
16. MINIMUM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2, (s)	10 ₀ 2.44	10 ₀	10 ₀
b. > 2, to < 1, (s)	34 ₀ 0.98	34 ₀	34 ₀
c. < 1, to 0, (s)	90 ₀ 5.43	90 ₀ 6.52	90 ₀ 6.93
d. 0, to 1, (s)	74 ₀ 3.97	74 ₀ 4.90	74 ₀ 5.05
e. 1, to 2, (s)	0 ₀ 8.85	0 ₀	0 ₀
f. 2, to 3, (s)	2	1	
g. 3, to 4, (s)	23	8	
h. 4, to 5, (s)	31	35	
i. 5, to 6, (s)	19	23	
j. 6, (s)	25	33	
20. SUBSAMPLE DRY WEIGHT (gm)	24.29	24.07	20.93
21. SPHERICITY (mg)			
22. SPHERICITY PLASTICITY	H ₁₃ 4	H ₁₃ 4	Low
23. SPHERICITY PLASTICITY	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	REMARKS: TESTS 11-26 DETERMINED IN THE LAB. * 10% SAMPLE COMPARED DARK STRIATIONS. 0-17" - Dark layers. 0-24" - Olive muds.		
SEDIMENT TYPE	SILTY MID	CLAYEY SILT	CLAYEY SILT

66-154-1 CONTINUED			
3. SAMPLE NUMBER	5. SAMPLER TYPE	7. WATER DEPTH (m.)	9. CORE LENGTH (m.)
2. LATITUDE	4. DATE (day, month, year)	8. CORE PENETRATION (m.)	10. SUBSAMPLE DEPTH IN CORE (m.)
1. LONGITUDE	6. LABORATORY NUMBERS	3774	3775
7. DATE (day, month, year)	11. COLOR	46-47	47-49
8. LABORATORY NUMBERS	12. DISC	3773	3786 *
9. DATE (day, month, year)	13. DISC	35-37	69-71
10. SUBSAMPLE DEPTH IN CORE (m.)	14. DISC	Compton Disc	Disc, Gelatin
11. COLOR	15. DISC	(5-6V 7a)	M. Disc, Gelatin
12. DISC	16. DISC		Disc, Gelatin
13. DISC	17. DISC		Disc, Gelatin
14. DISC	18. DISC		Disc, Gelatin
15. DISC	19. DISC		Disc, Gelatin
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27. REMARKS: ★ THE SAMPLE CONTAINED SOME SMALL WINGED SHELLS.

24-25" Soft brown mud.
25-89" green muds with soft layers of brown muds at 3", 4", 5", 6", 6", 72" and 81" - layers 1" thick.

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-154-1 - CONTINUED	5. SAMPLER TYPE
2. LATITUDE		5. WATER DEPTH (m.)
3. LONGITUDE		7. CORE LENGTH (m.)
4. DATE (day, month, year)		8. CORE FRAGMENTATION (n.)
9. LABORATORY NUMBERS	3787	3788
10. SUBSAMPLE DEPTH IN CORE (m.)	85-87	87-89
11. COLOR	Dark Greenish Gray (5.6 g.)	Medium Gray N5
12. OODR		
13. WET DENSITY (lb./ft. ³)		
14. R/D DENSITY (mm)		
15. MAXIMUM POROSITY (%)		
16. MINIMUM POROSITY (%)		
17. WATER CONTENT (%)		
18. ORGANIC CARBON CONTENT (%)		
19. SIZE ANALYSIS AND STATISTICAL MEASURES		
a. $x = x_2$ (s)	3	10 ₂
b. $x = x_2$ to x_1 (s)	3 ₁	5 ₂
c. x_1 to x_2 (s)	1	10 ₂
d. x_2 to x_1 (s)	1	5 ₂
e. x_1 to x_2 (s)	1	10 ₂
f. x_2 to x_1 (s)	2	5 ₂
g. x_2 to x_1 (s)	9	7
h. x_2 to x_1 (s)	35	38
i. x_2 to x_1 (s)	22	23
j. x_1 (s)	26	28
10. SUBSAMPLE DRY WEIGHT (mg)	3425	2935
11. SPECIFIC (g/cc)		
22. Plasticity	Plasticity	High
23. Secondary mineral	Secondary mineral	High
24. Shell	Shell	High
25. SECONDARY MINERAL (%)	21%	21%
OTHER MINERALS (%)		

27. REMARKS: continued.

87-92" Hard, sticky blue mud.

81-116" Hard, shiny blue metal.
92-118" Soft " " "
118-125" Soft brown metal/dark streaks.

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

* SAMPLE NUMBER 66-154-CONTINUED		5. SAMPLER TYPE	
1. LATITUDE		3. WATER DEPTH (m.)	
2. LONGITUDE		7. CORE LENGTH (m.)	
4. SITE		6. CORE POSITION (m.)	
8. LABIDUITY NUMBERS	3791	3792	
10. SURFACE DEPTH IN CORE (m.)	116-118	118-120	
14. COLOR	Major Gray N5	Dark Gray* (5Y 4/2)	
12. ODR			
13. MET DENSITY (lb./ft. ³)			
15. RIGIDNESS (cm)			
16. MAXIMUM PROSITY (%)			
17. MINIMUM PROSITY (%)			
18. WATER CONTENT (%)			
19. ORGANIC CARBON CONTENT (%)			
10. SIZE ANALYSIS AND STATISTICAL MEASURES			
1. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1.	2.	3.
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1. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	8.69	9	7.69
1. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	6.60	5.56	5.16
1. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24, 25, 26, 27, 28, 29, 30, 31, 32, 33, 34, 35, 36, 37, 38, 39, 40, 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100	1	1	1
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1. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	35	25	
1. 2, 3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19	46	39	
20. SUBSAMPLE DRY WEIGHT (gm)	25.95	20.29	
21. SPECIFIC (gm./cc.)			
22. PERCENTAGE OF Plasticity	H ₁₉₆	H ₁₂₁	
23. SHRINKAGE SHRINKAGE Shell Cn.	<1% H ₁₉₆	<1% H ₁₂₁	
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
37. REMARKS:			
SEDIMENT TYPE		CORREL. SUR.	CORREL. SUR.

1. SAMPLE NUMBER	66-156-1	5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44 11 42 N	7. WATER DEPTH (m.)	36.8
3. LONGITUDE	68 59 48 W	7. CORE LENGTH (m.)	12.1
4. DATE (day, month, year)	16 September 1959	8. CORE PENETRATION (m.)	132
9. LABORATORY NUMBER	9998	9.999	4.000
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	12-14	24-26
11. COLOR	Olive Gray 5Y3/2	Olive Gray 5Y4/1	Olive Gray 5Y3/2
12. OTHER			4Y-43
13. NET DENSITY (lb./ft. ³)			
14. REIDBERG (°)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE SIZE (mL)			
21. SPECIFIC GRAVITY			
22. SHORE PLASTICITY			
23. SHORE LIQUIDITY SHALL Cn.			
24. SOILFAST MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	Items 11-26 determined in the lab. 11-26 appeared to be a uniform clay with one-inch thick, soft spots of fluid to 9 inches. The sand was compacted to 10 cm. in 10 cm. of unconsolidated mud. Dark streaks in the first 10 inches and the bottom 8 inches. A few shells were scattered throughout the core.		

1. SAMPLE NUMBER	66-157-1				5. SAMPLER TYPE	KYLEBERG			
2. LATITUDE	44	10	12	N	5. WATER DEPTH (m.)	35.0			
3. LONGITUDE	69	00	00	W	7. CORE LENGTH (in.)	127			
4. DATE	16 SEPTEMBER 1959				8. CORE PRESERVATION (in.)	132			
9. LABORATORY NUMBERS	3936 *				9. LABORATORY NUMBERS	3938			
10. SUBSAMPLE DEPTH IN CORE (in.)	0-2				10. SUBSAMPLE DEPTH IN CORE (in.)	94-98			
11. COLOR	Dark Gray (5Y 4/1)				11. COLOR	Dark Gray (5Y 4/1)			
12. OTHER					12. OTHER				
13. WET DENSITY (lb./ft ³)					13. WET DENSITY (lb./ft ³)				
14. RIGIDITY (cm)					14. RIGIDITY (cm)				
15. MINIMUM POROSITY (%)					15. MINIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)					16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)					17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)					18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES									
a. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	a. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	
b. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	b. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	
c. -1 ₀ to 0 ₁ (%)	0 ₂	0 ₂	0 ₂	0 ₂	c. -1 ₀ to 0 ₁ (%)	0 ₂	0 ₂	0 ₂	
d. 0 ₁ to 1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	d. 0 ₁ to 1 ₀ (%)	0 ₂	0 ₂	0 ₂	
e. 1 ₀ to 2 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	e. 1 ₀ to 2 ₀ (%)	0 ₂	0 ₂	0 ₂	
f. 2 ₀ to 3 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	f. 2 ₀ to 3 ₀ (%)	0 ₂	0 ₂	0 ₂	
g. 3 ₀ to 4 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	g. 3 ₀ to 4 ₀ (%)	0 ₂	0 ₂	0 ₂	
h. 4 ₀ to 6 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	h. 4 ₀ to 6 ₀ (%)	0 ₂	0 ₂	0 ₂	
i. 6 ₀ to 8 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	i. 6 ₀ to 8 ₀ (%)	0 ₂	0 ₂	0 ₂	
j. 8 ₀ to 10 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	j. 8 ₀ to 10 ₀ (%)	0 ₂	0 ₂	0 ₂	
20. SUBSAMPLE DRY WEIGHT (g)	2234				20. SUBSAMPLE DRY WEIGHT (g)	2281			
21. SPHERICITY (cm)	High				21. SPHERICITY (cm)	High			
22. PERCENTAGE Plasticity	High				22. PERCENTAGE Plasticity	High			
23. PERCENTAGE Plasticity	0				23. PERCENTAGE Plasticity	0			
24. DOMINANT MINERAL (%)	<1/2				24. DOMINANT MINERAL (%)	<1/2			
25. SECONDARY MINERAL (%)					25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)					26. OTHER MINERALS (%)				
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB				27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB			
* THE SAMPLE CONTAINED BLACK STREAKS. Shell scattered throughout.					* THE SAMPLE CONTAINED BLACK STREAKS. Shell scattered throughout.				
SEDIMENT TYPE					SEDIMENT TYPE				
CLAYEY SILT					CLAYEY SILT				

1. SAMPLE NUMBER	66-157-1 - CONTINUED				5. SAMPLER TYPE				
2. LATITUDE					5. WATER DEPTH (m.)				
3. LONGITUDE					7. CORE LENGTH (m.)				
4. DATE (YY, MM, DD)					8. CORE PRESERVATION (m.)				
9. LABORATORY NUMBERS	3939				9. LABORATORY NUMBERS	3940			
10. SUBSAMPLE DEPTH IN CORE (in.)	94-96				10. SUBSAMPLE DEPTH IN CORE (in.)	124 - 127			
11. COLOR	Dark Gray (5Y 4/1)				11. COLOR	Dark Gray (5Y 4/1)			
12. OTHER					12. OTHER				
13. WET DENSITY (lb./ft ³)					13. WET DENSITY (lb./ft ³)				
14. RIGIDITY (cm)					14. RIGIDITY (cm)				
15. MINIMUM POROSITY (%)					15. MINIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)					16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)					17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)					18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES									
a. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	a. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
b. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	b. -2 ₀ to -1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
c. -1 ₀ to 0 ₁ (%)	0 ₂	0 ₂	0 ₂	0 ₂	c. -1 ₀ to 0 ₁ (%)	0 ₂	0 ₂	0 ₂	0 ₂
d. 0 ₁ to 1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	d. 0 ₁ to 1 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
e. 1 ₀ to 2 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	e. 1 ₀ to 2 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
f. 2 ₀ to 3 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	f. 2 ₀ to 3 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
g. 3 ₀ to 4 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	g. 3 ₀ to 4 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
h. 4 ₀ to 6 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	h. 4 ₀ to 6 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
i. 6 ₀ to 8 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	i. 6 ₀ to 8 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
j. 8 ₀ to 10 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂	j. 8 ₀ to 10 ₀ (%)	0 ₂	0 ₂	0 ₂	0 ₂
20. SUBSAMPLE DRY WEIGHT (g)	2389				20. SUBSAMPLE DRY WEIGHT (g)	2315			
21. SPHERICITY (cm)	High				21. SPHERICITY (cm)	High			
22. PERCENTAGE Plasticity	0				22. PERCENTAGE Plasticity	0			
23. PERCENTAGE Plasticity	0				23. PERCENTAGE Plasticity	0			
24. DOMINANT MINERAL (%)					24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)					25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)					26. OTHER MINERALS (%)				
27. REMARKS	0-12" Black bands 1/15-12" Very soft				27. REMARKS	0-12" Black bands 1/15-12" Very soft			
SEDIMENT TYPE					SEDIMENT TYPE				
CLAYEY SILT					CLAYEY SILT				

1. SAMPLE NUMBER	66-159-1	2. LATITUDE	44° 08' 00" N	50° 10' 00" W	5. SAMPLER TYPE	JULLENBERG		
3. LONGITUDE	69° 00' 00" W	6. WATER DEPTH (m.)	42.5			7. CORE LENGTH (m.)	126	
4. DATE (Day, month, year)	16 SEPTEMBER 1959	8. CORE PENETRATION (m.)	132			9. LAB/STUDY NUMBERS	3674	
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	11. COLOR	GRANULIC OLIVE GREEN (561-3/2)			12. DOOR	3675 *	
13. WET DENSITY (lb./ft. ³)		14. RIGIDNESS (mm)				15. MAXIMUM POROSITY (%)	48-50	
16. MAXIMUM POROSITY (%)		17. WATER CONTENT (%)				18. ORGANIC CARBON CONTENT (%)	41-46	
19. SITE ANALYSIS AND STATISTICAL MEASURES		20. SUSPENSIBLE DRY WEIGHT (mg)				21. SPECIFICITY (eq/g)	30.04	
a. $\bar{x} \pm 2s$ (%)		22. 400444-444444-444444 Plasticity				23. 400444-444444-444444 Shell Cn.	41%	
b. \bar{x}_2 to \bar{x}_4 (%)		24. \bar{x}_1 to \bar{x}_4 (%)				25. SECONDARY MINERAL (%)	41%	
c. \bar{x}_1 to \bar{x}_4 (%)		26. OTHER MINERALS (%)				27. REMARKS:	ITEMS 11-26 DETERMINED IN THE LAB	
d. \bar{x}_1 to \bar{x}_4 (%)							THE SAMPLE OBTAINED DARK STEAKS. SPLIT INTO 2 STEAKS. TURNING AUNT CORO. 0.5" DARK TYPE.	
e. \bar{x}_1 to \bar{x}_4 (%)							SEDIMENT TYPE	
f. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
g. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
h. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
i. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
j. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
k. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
l. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
m. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
n. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
o. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
p. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
q. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
r. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
s. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
t. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
u. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
v. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
w. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
x. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
y. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	
z. \bar{x}_1 to \bar{x}_4 (%)							CLAYEY SILT	

27. REMARKS: ITEMS 11-26 DETERMINED IN THE LAB

* THE SAMPLE CONTAINED DARK STREAKS.
shell scattered throughout coro.

shell scattered throughout cov.

SEDIMENT TYPE		CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
0-4 dark layers					

1. SAMPLE NUMBER	5. SAMPLER TYPE				
66-157-1 : CONTINUED					
2. LATITUDE	6. CORE LENGTH (in.)				
3. LONGITUDE	7. WATER DEPTH (m.)				
4. DATE (Day, month, year)	8. CORE PENETRATION (in.)				
	3677 *				
9. LABORATORY NUMBERS					
10. SURSAMPLE DEPTH IN CORE (in.)	124-126				
	GRAYISH OLIVE				
	CLAYEY SILT				
	(50% H ₂ O)				
11. COLOR					
12. DOOR					
13. WET DENSITY (lb./ft ³)					
14. R (DENSE)					
15. MAXIMUM PROSITY (%)					
16. MINIMUM PROSITY (%)					
17. WATER CONTENT (%)					
18. ORGANIC CARBON CONTENT (%)					
19. SITE ANALYSIS AND STATISTICAL MEASURES					
a. x_1, x_2, \dots, x_n (%)	50 ₁	50 ₂	50 ₃	50 ₄	50 ₅
b. $-2s$ to $-1s$ (%)	A ₁	19 ₁		5A ₂	5A ₃
c. $-1s$ to 0 ₁ (%)	W ₁	8.0		W ₂	W ₃
d. 0 ₁ to 1 ₁ (%)	10 ₁	01 ₁ , 5.92		01 ₂	01 ₃
e. 1 ₁ to 2 ₁ (%)	2 ₁			02 ₁	02 ₂
f. 2 ₁ to 3 ₁ (%)	3 ₁				
g. 3 ₁ to 4 ₁ (%)	4 ₁				
h. 4 ₁ to 5 ₁ (%)	5 ₁				
i. 5 ₁ to 6 ₁ (%)	6 ₁				
j. 6 ₁ to 7 ₁ (%)	7 ₁				
k. 7 ₁ to 8 ₁ (%)	8 ₁				
l. 8 ₁ to 9 ₁ (%)	9 ₁				
m. 9 ₁ to 10 ₁ (%)	10 ₁				
n. 10 ₁ to 11 ₁ (%)	11 ₁				
o. 11 ₁ to 12 ₁ (%)	12 ₁				
p. 12 ₁ to 13 ₁ (%)	13 ₁				
q. 13 ₁ to 14 ₁ (%)	14 ₁				
r. 14 ₁ to 15 ₁ (%)	15 ₁				
s. 15 ₁ to 16 ₁ (%)	16 ₁				
t. 16 ₁ to 17 ₁ (%)	17 ₁				
u. 17 ₁ to 18 ₁ (%)	18 ₁				
v. 18 ₁ to 19 ₁ (%)	19 ₁				
w. 19 ₁ to 20 ₁ (%)	20 ₁				
x. 20 ₁ to 21 ₁ (%)	21 ₁				
y. 21 ₁ to 22 ₁ (%)	22 ₁				
z. 22 ₁ to 23 ₁ (%)	23 ₁				
aa. 23 ₁ to 24 ₁ (%)	24 ₁				
ab. 24 ₁ to 25 ₁ (%)	25 ₁				
ac. 25 ₁ to 26 ₁ (%)	26 ₁				
ad. 26 ₁ to 27 ₁ (%)	27 ₁				
ae. 27 ₁ to 28 ₁ (%)	28 ₁				
af. 28 ₁ to 29 ₁ (%)	29 ₁				
ag. 29 ₁ to 30 ₁ (%)	30 ₁				
ah. 30 ₁ to 31 ₁ (%)	31 ₁				
ai. 31 ₁ to 32 ₁ (%)	32 ₁				
aj. 32 ₁ to 33 ₁ (%)	33 ₁				
ak. 33 ₁ to 34 ₁ (%)	34 ₁				
al. 34 ₁ to 35 ₁ (%)	35 ₁				
am. 35 ₁ to 36 ₁ (%)	36 ₁				
an. 36 ₁ to 37 ₁ (%)	37 ₁				
ao. 37 ₁ to 38 ₁ (%)	38 ₁				
ap. 38 ₁ to 39 ₁ (%)	39 ₁				
aq. 39 ₁ to 40 ₁ (%)	40 ₁				
ar. 40 ₁ to 41 ₁ (%)	41 ₁				
as. 41 ₁ to 42 ₁ (%)	42 ₁				
at. 42 ₁ to 43 ₁ (%)	43 ₁				
au. 43 ₁ to 44 ₁ (%)	44 ₁				
av. 44 ₁ to 45 ₁ (%)	45 ₁				
aw. 45 ₁ to 46 ₁ (%)	46 ₁				
ax. 46 ₁ to 47 ₁ (%)	47 ₁				
ay. 47 ₁ to 48 ₁ (%)	48 ₁				
az. 48 ₁ to 49 ₁ (%)	49 ₁				
ba. 49 ₁ to 50 ₁ (%)	50 ₁				
20. SURSAMPLE DRY WEIGHT (gm)	29.65		24.67		
21. SPECIFIC GRAVITY					
22. MINIMUM Plasticity	H ₁ 26		H ₁ 26		
23. MINIMUM Liquid Limit (%)	0		< 19		
24. DOMINANT MINERAL (%)					
25. SECONDARY MINERAL (%)					
26. OTHER MINERALS (%)					
27. REMARKS:	color changes of 19" to 10"				

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT
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Color changes at 17° & 104°

Sediment Type	Clayey Silt	Clayey Silt

1. SAMPLE NUMBER	66-169-1
2. LATITUDE	43 58 N
3. LONGITUDE	68 52 W
4. DATE (day month year)	30 September 1959
5. LABORATORY NUMBER	5322
6. WATER DEPTH (m)	28.6
11. COLOR	
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

11. COLOR	Dark Gray
12. ODR	574/11
13. MET DENSITY (lb./ft ³)	Paul
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

19. SITE ANALYSIS AND STATISTICAL MEASURES	
a. < 2% (s)	21
b. -2% to -1% (s)	11
c. -1% to 0% (s)	8
d. 0% to 1% (s)	8
e. 1% to 2% (s)	6
f. 2% to 3% (s)	4
g. 3% to 4% (s)	3
h. 4% to 5% (s)	1
i. 5% to 9% (s)	14
j. > 9% (s)	17
20. SUSPENSIBLE DRY WEIGHT (mg)	29.88
21. SPECIFIC (avg.)	
22. PLASTICITY	Low
23. DOMINANT MINERAL (%)	5%
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

20. SUSPENSIBLE DRY WEIGHT (mg)	29.88
21. SPECIFIC (avg.)	
22. PLASTICITY	Low
23. DOMINANT MINERAL (%)	5%
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

27. REMAINS: Items 11-26 determined in the lab	
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Sediment Type	Silty Sand with 1% coarse material
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1. SAMPLE NUMBER	66-170-1
2. LATITUDE	43 58 N
3. LONGITUDE	68 51 W
4. DATE (day month year)	30 September 1959
5. LABORATORY NUMBER	5323
6. WATER DEPTH (m)	28.5
11. COLOR	
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

11. COLOR	Dark Gray
12. ODR	574/11
13. MET DENSITY (lb./ft ³)	Paul
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

19. SITE ANALYSIS AND STATISTICAL MEASURES	
a. < 2% (s)	17
b. -2% to -1% (s)	8
c. -1% to 0% (s)	6
d. 0% to 1% (s)	7
e. 1% to 2% (s)	16
f. 2% to 3% (s)	13
g. 3% to 4% (s)	4
h. 4% to 5% (s)	6
i. 5% to 9% (s)	11
j. > 9% (s)	13
20. SUSPENSIBLE DRY WEIGHT (mg)	40.22
21. SPECIFIC (avg.)	
22. PLASTICITY	Low
23. DOMINANT MINERAL (%)	3%
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

20. SUSPENSIBLE DRY WEIGHT (mg)	40.22
21. SPECIFIC (avg.)	
22. PLASTICITY	Low
23. DOMINANT MINERAL (%)	3%
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

27. REMAINS: Items 11-26 determined in the lab	
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Sediment Type	Silty Sand with 1% coarse material
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1. SAMPLE NUMBER	66-171-1
2. LATITUDE	43 58 N
3. LONGITUDE	68 49 W
4. DATE (day month year)	30 September 1959
5. LABORATORY NUMBER	5301
6. WATER DEPTH (m)	25.7
11. COLOR	
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

11. COLOR	Dark Yellowish Brown
12. ODR	10784/2
13. MET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

19. SITE ANALYSIS AND STATISTICAL MEASURES	
a. < 2% (s)	24
b. -2% to -1% (s)	13
c. -1% to 0% (s)	14
d. 0% to 1% (s)	12
e. 1% to 2% (s)	3
f. 2% to 3% (s)	3
g. 3% to 4% (s)	2
h. 4% to 5% (s)	6
i. 5% to 9% (s)	8
j. > 9% (s)	11
20. SUSPENSIBLE DRY WEIGHT (mg)	50.12
21. SPECIFIC (avg.)	
22. PLASTICITY	None
23. DOMINANT MINERAL (%)	10%
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

20. SUSPENSIBLE DRY WEIGHT (mg)	50.12
21. SPECIFIC (avg.)	
22. PLASTICITY	None
23. DOMINANT MINERAL (%)	10%
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

27. REMAINS: Items 11-26 determined in the lab	
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Sediment Type	Silty Sand
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1. SAMPLE NUMBER	66-174-1
2. LATITUDE	43 57 N
3. LONGITUDE	68 52 W
4. DATE (day month year)	30 September 1959
5. LABORATORY NUMBER	5302
6. WATER DEPTH (m)	41.3
11. COLOR	
12. ODR	
13. MET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

11. COLOR	Dark Yellowish Brown
12. ODR	10784/2
13. MET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	
19. SITE ANALYSIS AND STATISTICAL MEASURES	

19. SITE ANALYSIS AND STATISTICAL MEASURES	
a. < 2% (s)	36
b. -2% to -1% (s)	8
c. -1% to 0% (s)	3
d. 0% to 1% (s)	2
e. 1% to 2% (s)	4
f. 2% to 3% (s)	8
g. 3% to 4% (s)	8
h. 4% to 5% (s)	8
i. 5% to 9% (s)	8
j. > 9% (s)	14
20. SUSPENSIBLE DRY WEIGHT (mg)	27/3
21. SPECIFIC (avg.)	
22. PLASTICITY	Low
23. DOMINANT MINERAL (%)	0
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

20. SUSPENSIBLE DRY WEIGHT (mg)	27/3
21. SPECIFIC (avg.)	
22. PLASTICITY	Low
23. DOMINANT MINERAL (%)	0
24. SECONDARY MINERAL (%)	
25. OTHER MINERALS (%)	
26. REMAINS: Items 11-26 determined in the lab	

27. REMAINS: Items 11-26 determined in the lab	
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Sediment Type	Silty Sand with 1% coarse material
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1. SAMPLE NUMBER	66-175-1
2. LATITUDE	43° 57' 18" N
3. LONGITUDE	68° 54' 14" W
4. DATE (Day, month, year)	30 September 1989
5. LABORATORY NUMBERS	5384
6. WATER DEPTH (m.)	17.2

11. COLOR
Dark Yellowish Brown
10R6/4

12. DRAIN	
13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. ϕ to ϕ_{25} (%)	39
b. ϕ_{25} to ϕ_{50} (%)	24
c. ϕ_{50} to ϕ_{75} (%)	21
d. ϕ_{75} to ϕ_{100} (%)	11
e. ϕ_{100} to ϕ_{200} (%)	2
f. ϕ_{200} to ϕ_{400} (%)	1
g. ϕ_{400} to ϕ_{600} (%)	1
h. ϕ_{600} to ϕ_{800} (%)	1
i. ϕ_{800} to ϕ_{1000} (%)	1
j. ϕ_{1000} to ϕ_{2000} (%)	2

20. DISPERSED DRY WEIGHT (mm)	60.00
21. SPECIFICITY (gms.)	
22. PLASTICITY (mm)	None
23. SHrinkage (mm)	30.9%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab.

1. SAMPLE NUMBER	66-177-1
2. LATITUDE	43° 58' 45" N
3. LONGITUDE	69° 00' 48" W
4. DATE (Day, month, year)	30 September 1989
5. LABORATORY NUMBERS	5303
6. WATER DEPTH (m.)	25.8

11. COLOR
Dark Yellowish Brown
10R6/4

12. DRAIN	
13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. ϕ to ϕ_{25} (%)	7
b. ϕ_{25} to ϕ_{50} (%)	3
c. ϕ_{50} to ϕ_{75} (%)	2
d. ϕ_{75} to ϕ_{100} (%)	3
e. ϕ_{100} to ϕ_{200} (%)	11
f. ϕ_{200} to ϕ_{400} (%)	25
g. ϕ_{400} to ϕ_{600} (%)	12
h. ϕ_{600} to ϕ_{800} (%)	6
i. ϕ_{800} to ϕ_{1000} (%)	14
j. ϕ_{1000} to ϕ_{2000} (%)	16

20. DISPERSED DRY WEIGHT (mm)	32.39
21. SPECIFICITY (gms.)	
22. PLASTICITY (mm)	Low
23. SHrinkage (mm)	17%
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

1. SAMPLE NUMBER	66-178-1
2. LATITUDE	44° 04' 33" N
3. LONGITUDE	69° 00' 58" W
4. DATE (Day, month, year)	1 October 1989
5. LABORATORY NUMBERS	5304
6. WATER DEPTH (m.)	41.7

11. COLOR
Olive Black
6Y2/1

12. DRAIN	foul
13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)	

19. SIZE ANALYSIS AND STATISTICAL MEASURES

a. ϕ to ϕ_{25} (%)	7
b. ϕ_{25} to ϕ_{50} (%)	1
c. ϕ_{50} to ϕ_{75} (%)	1
d. ϕ_{75} to ϕ_{100} (%)	1
e. ϕ_{100} to ϕ_{200} (%)	5
f. ϕ_{200} to ϕ_{400} (%)	16
g. ϕ_{400} to ϕ_{600} (%)	13
h. ϕ_{600} to ϕ_{800} (%)	13
i. ϕ_{800} to ϕ_{1000} (%)	16
j. ϕ_{1000} to ϕ_{2000} (%)	16

20. DISPERSED DRY WEIGHT (mm)	23.44
21. SPECIFICITY (gms.)	
22. PLASTICITY (mm)	Low
23. SHrinkage (mm)	0
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	

27. REMARKS: Items 11-26 determined in the lab

The sample contained two large pebbles
(1/2 x 3/4 x 1/8 - 4/16 gms, 1/2 x 1/4 x 1/8 - 9/64 gms)
not included in analysis

Sediment Type	Pebbly Sand	Sediment Type	Silty Sand
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1. SAMPLE NUMBER	2. DATE	3. LOCATION	4. LATITUDE	5. LONGITUDE	6. TIME	7. CORE LENGTH (in.)	8. CORE PENETRATION (in.)	9. SAMPLER TYPE	10. WIND DIRECTION	11. WIND VELOCITY (mi/hr)	12. WIND FORCE (Beaufort)	13. WIND STATE	14. WIND DIRECTION	15. WIND VELOCITY (mi/hr)	16. WIND FORCE (Beaufort)	17. WIND STATE	18. WIND DIRECTION	19. WIND VELOCITY (mi/hr)	20. WIND FORCE (Beaufort)	21. WIND STATE	22. WIND DIRECTION	23. WIND VELOCITY (mi/hr)	24. WIND FORCE (Beaufort)	25. WIND STATE	26. WIND DIRECTION	27. WIND VELOCITY (mi/hr)	28. WIND FORCE (Beaufort)	29. WIND STATE	30. WIND DIRECTION	31. WIND VELOCITY (mi/hr)	32. WIND FORCE (Beaufort)	33. WIND STATE	34. WIND DIRECTION	35. WIND VELOCITY (mi/hr)	36. WIND FORCE (Beaufort)	37. WIND STATE	38. WIND DIRECTION	39. WIND VELOCITY (mi/hr)	40. WIND FORCE (Beaufort)	41. WIND STATE	42. WIND DIRECTION	43. WIND VELOCITY (mi/hr)	44. WIND FORCE (Beaufort)	45. WIND STATE	46. WIND DIRECTION	47. WIND VELOCITY (mi/hr)	48. WIND FORCE (Beaufort)	49. WIND STATE	50. WIND DIRECTION	51. WIND VELOCITY (mi/hr)	52. WIND FORCE (Beaufort)	53. WIND STATE	54. WIND DIRECTION	55. WIND VELOCITY (mi/hr)	56. WIND FORCE (Beaufort)	57. WIND STATE	58. WIND DIRECTION	59. WIND VELOCITY (mi/hr)	60. WIND FORCE (Beaufort)	61. WIND STATE	62. WIND DIRECTION	63. WIND VELOCITY (mi/hr)	64. WIND FORCE (Beaufort)	65. WIND STATE	66. WIND DIRECTION	67. WIND VELOCITY (mi/hr)	68. WIND FORCE (Beaufort)	69. WIND STATE	70. WIND DIRECTION	71. WIND VELOCITY (mi/hr)	72. WIND FORCE (Beaufort)	73. WIND STATE	74. WIND DIRECTION	75. WIND VELOCITY (mi/hr)	76. WIND FORCE (Beaufort)	77. WIND STATE	78. WIND DIRECTION	79. WIND VELOCITY (mi/hr)	80. WIND FORCE (Beaufort)	81. WIND STATE	82. WIND DIRECTION	83. WIND VELOCITY (mi/hr)	84. WIND FORCE (Beaufort)	85. WIND STATE	86. WIND DIRECTION	87. WIND VELOCITY (mi/hr)	88. WIND FORCE (Beaufort)	89. WIND STATE	90. WIND DIRECTION	91. WIND VELOCITY (mi/hr)	92. WIND FORCE (Beaufort)	93. WIND STATE	94. WIND DIRECTION	95. WIND VELOCITY (mi/hr)	96. WIND FORCE (Beaufort)	97. WIND STATE	98. WIND DIRECTION	99. WIND VELOCITY (mi/hr)	100. WIND FORCE (Beaufort)	101. WIND STATE	102. WIND DIRECTION	103. WIND VELOCITY (mi/hr)	104. WIND FORCE (Beaufort)	105. WIND STATE	106. WIND DIRECTION	107. WIND VELOCITY (mi/hr)	108. WIND FORCE (Beaufort)	109. WIND STATE	110. WIND DIRECTION	111. WIND VELOCITY (mi/hr)	112. WIND FORCE (Beaufort)	113. WIND STATE	114. WIND DIRECTION	115. WIND VELOCITY (mi/hr)	116. WIND FORCE (Beaufort)	117. WIND STATE	118. WIND DIRECTION	119. WIND VELOCITY (mi/hr)	120. WIND FORCE (Beaufort)	121. WIND STATE	122. WIND DIRECTION	123. WIND VELOCITY (mi/hr)	124. WIND FORCE (Beaufort)	125. WIND STATE	126. WIND DIRECTION	127. WIND VELOCITY (mi/hr)	128. WIND FORCE (Beaufort)	129. WIND STATE	130. WIND DIRECTION	131. WIND VELOCITY (mi/hr)	132. WIND FORCE (Beaufort)	133. WIND STATE	134. WIND DIRECTION	135. WIND VELOCITY (mi/hr)	136. WIND FORCE (Beaufort)	137. WIND STATE	138. WIND DIRECTION	139. WIND VELOCITY (mi/hr)	140. WIND FORCE (Beaufort)	141. WIND STATE	142. WIND DIRECTION	143. WIND VELOCITY (mi/hr)	144. WIND FORCE (Beaufort)	145. WIND STATE	146. WIND DIRECTION	147. WIND VELOCITY (mi/hr)	148. WIND FORCE (Beaufort)	149. WIND STATE	150. WIND DIRECTION	151. WIND VELOCITY (mi/hr)	152. WIND FORCE (Beaufort)	153. WIND STATE	154. WIND DIRECTION	155. WIND VELOCITY (mi/hr)	156. WIND FORCE (Beaufort)	157. WIND STATE	158. WIND DIRECTION	159. WIND VELOCITY (mi/hr)	160. WIND FORCE (Beaufort)	161. WIND STATE	162. WIND DIRECTION	163. WIND VELOCITY (mi/hr)	164. WIND FORCE (Beaufort)	165. WIND STATE	166. WIND DIRECTION	167. WIND VELOCITY (mi/hr)	168. WIND FORCE (Beaufort)	169. WIND STATE	170. WIND DIRECTION	171. WIND VELOCITY (mi/hr)	172. WIND FORCE (Beaufort)	173. WIND STATE	174. WIND DIRECTION	175. WIND VELOCITY (mi/hr)	176. WIND FORCE (Beaufort)	177. WIND STATE	178. WIND DIRECTION	179. WIND VELOCITY (mi/hr)	180. WIND FORCE (Beaufort)	181. WIND STATE	182. WIND DIRECTION	183. WIND VELOCITY (mi/hr)	184. WIND FORCE (Beaufort)	185. WIND STATE	186. WIND DIRECTION	187. WIND VELOCITY (mi/hr)	188. WIND FORCE (Beaufort)	189. WIND STATE	190. WIND DIRECTION	191. WIND VELOCITY (mi/hr)	192. WIND FORCE (Beaufort)	193. WIND STATE	194. WIND DIRECTION	195. WIND VELOCITY (mi/hr)	196. WIND FORCE (Beaufort)	197. WIND STATE	198. WIND DIRECTION	199. WIND VELOCITY (mi/hr)	200. WIND FORCE (Beaufort)	201. WIND STATE	202. WIND DIRECTION	203. WIND VELOCITY (mi/hr)	204. WIND FORCE (Beaufort)	205. WIND STATE	206. WIND DIRECTION	207. WIND VELOCITY (mi/hr)	208. WIND FORCE (Beaufort)	209. WIND STATE	210. WIND DIRECTION	211. WIND VELOCITY (mi/hr)	212. WIND FORCE (Beaufort)	213. WIND STATE	214. WIND DIRECTION	215. WIND VELOCITY (mi/hr)	216. WIND FORCE (Beaufort)	217. WIND STATE	218. WIND DIRECTION	219. WIND VELOCITY (mi/hr)	220. WIND FORCE (Beaufort)	221. WIND STATE	222. WIND DIRECTION	223. WIND VELOCITY (mi/hr)	224. WIND FORCE (Beaufort)	225. WIND STATE	226. WIND DIRECTION	227. WIND VELOCITY (mi/hr)	228. WIND FORCE (Beaufort)	229. WIND STATE	230. WIND DIRECTION	231. WIND VELOCITY (mi/hr)	232. WIND FORCE (Beaufort)	233. WIND STATE	234. WIND DIRECTION	235. WIND VELOCITY (mi/hr)	236. WIND FORCE (Beaufort)	237. WIND STATE	238. WIND DIRECTION	239. WIND VELOCITY (mi/hr)	240. WIND FORCE (Beaufort)	241. WIND STATE	242. WIND DIRECTION	243. WIND VELOCITY (mi/hr)	244. WIND FORCE (Beaufort)	245. WIND STATE	246. WIND DIRECTION	247. WIND VELOCITY (mi/hr)	248. WIND FORCE (Beaufort)	249. WIND STATE	250. WIND DIRECTION	251. WIND VELOCITY (mi/hr)	252. WIND FORCE (Beaufort)	253. WIND STATE	254. WIND DIRECTION	255. WIND VELOCITY (mi/hr)	256. WIND FORCE (Beaufort)	257. WIND STATE	258. WIND DIRECTION	259. WIND VELOCITY (mi/hr)	260. WIND FORCE (Beaufort)	261. WIND STATE	262. WIND DIRECTION	263. WIND VELOCITY (mi/hr)	264. WIND FORCE (Beaufort)	265. WIND STATE	266. WIND DIRECTION	267. WIND VELOCITY (mi/hr)	268. WIND FORCE (Beaufort)	269. WIND STATE	270. WIND DIRECTION	271. WIND VELOCITY (mi/hr)	272. WIND FORCE (Beaufort)	273. WIND STATE	274. WIND DIRECTION	275. WIND VELOCITY (mi/hr)	276. WIND FORCE (Beaufort)	
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1. SAMPLE NUMBER	5. SINTER TYPE
66-179-1, CONTINUED	
2. LATITUDE	3. CORE LENGTH (in.)
3. LONGITUDE	4. CORE DEPTH (in.)
5. DATE (day, month, year)	6. CORE PENETRATION (in.)
9. LABORATORY NUMBER	10. CORE PENETRATION (in.)
3860	3861
238-245	245-25
DARK GREENISH GRAY (S.G. 4.1)	DARK GREENISH GRAY (S.G. 4.1)
DARK GREENISH GRAY (S.G. 4.1)	DARK GREENISH GRAY (S.G. 4.1)
11. COLOR	12. CORE PENETRATION (in.)
12. CORE	13. CORE PENETRATION (in.)
13. NET DENSITY (lb./ft. ³)	14. RESIDUE (%)
15. MAXIMUM POROSITY (%)	16. MAXIMUM POROSITY (%)
17. WATER CONTENT (%)	18. ORGANIC CARBON CONTENT (%)
19. SIZE ANALYSIS AND STATISTICAL MEASURES	20. SURFACE DRY WEIGHT (mg)
21. SPHERICITY (mg)	22. SPHERICITY (mg)
23. SPHERICITY (mg)	24. SPHERICITY (mg)
25. SECONDARY MINERAL (%)	26. OTHER MINERALS (%)
27. REMARKS:	28. REMARKS:

1. SAMPLE NUMBER	65-179-1: CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBER	3164	3165	3167 *
10. SUBSAMPLE DEPTH IN CORE (m.)	47-49	49-51	67-69
11. COLOR	Dark Green (Mud)	Dark Greenish Gray (5.6 M)	Dark Greenish Gray (5.6 M)
12. ODS*			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	9	10 ₅	10 ₅
b. > 2 ₅ to < 1 ₅ (%)		SK ₅	SK ₅
c. < 1 ₅ to 0 ₅ (%)	1	M ₅ 6.50	M ₅ 8.00
d. 0 ₅ to 1 ₅ (%)		0 ₅ 4.39	0 ₅ 1.578
e. 1 ₅ to 2 ₅ (%)			0 ₅
f. 2 ₅ to 3 ₅ (%)	1		
g. 3 ₅ to 4 ₅ (%)	9	2	4
h. 4 ₅ to 5 ₅ (%)	25	25	26
i. 5 ₅ to 6 ₅ (%)	22	30	30
j. > 6 ₅ (%)	33	42	41
20. SUBSAMPLER DRY WEIGHT (m)	20.88	33.02	32.42
21. SPHERICITY (D ₅₀)			
22. PLASTICITY	High	High	High
23. SHrinkage-Resistance Shell Cn.	0	< 1%	< 1%
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS*	Black layers and lenses of olive gray silt from 49-98" 98-106" Soft, surry, olive gray		

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	65-179-1: CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBER	3168	3169	3171
10. SUBSAMPLE DEPTH IN CORE (m.)	98-106	106-108	111-113
11. COLOR	Dark Green (5.6 M)	Dark Greenish Gray (5.6 M)	Dark Greenish Gray (5.6 M)
12. ODS*			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)		10 ₅	10 ₅
b. > 2 ₅ to < 1 ₅ (%)		SK ₅	SK ₅
c. < 1 ₅ to 0 ₅ (%)		M ₅ 7.20	M ₅ 7.79
d. 0 ₅ to 1 ₅ (%)		0 ₅ 5.20	0 ₅ 5.60
e. 1 ₅ to 2 ₅ (%)	1	0 ₅	0 ₅
f. 2 ₅ to 3 ₅ (%)			2
g. 3 ₅ to 4 ₅ (%)	7		20
h. 4 ₅ to 5 ₅ (%)	24	32	30
i. 5 ₅ to 6 ₅ (%)	26	28	20
j. > 6 ₅ (%)	37	39	28
20. SUBSAMPLER DRY WEIGHT (m)	24.05	23.11	16.93
21. SPHERICITY (D ₅₀)			25.42
22. PLASTICITY	Low	High	Med.
23. SHrinkage-Resistance Shell Cn.	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS*	106-113 Dark green w/ black layers. 113-124 Soft olive gray sandy med.		

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-180-1	5. SAMPLER TYPE	KOLLEBERG	
2. LATITUDE	44° 02' 38" N	6. WATER DEPTH (m.)	42.5'	
3. LONGITUDE	69° 00' 55" W	7. CORE LENGTH (m.)	126	
4. DATE (day, month, year)	1 Oct. 1959	8. CORE PENETRATION (m.)	144	
9. LABORATORY NUMBERS	3590	3591	3592	3593
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	18-20	47-49	73-76
11. COLOR	Dark Greenish Gray	Greenish Gray	Grayish Olive Green	Grayish Olive Green
	55Y 4/1	55Y 3/4	55Y 3/4	55Y 3/4
12. DRY				
13. WET DENSITY (lb./ft ³)				
14. RIGIDITY (cm)				
15. MAXIMUM PROBABILITY (%)				
16. MINIMUM PROBABILITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. < 2 ₀ (%)	100	2.65	0.1	0.1
b. -2 ₀ to -1 ₀ (%)	18	1.29	34	54
c. -1 ₀ to 0 ₁₀ (%)	1	4.86	46	6.12
d. 0 ₁₀ to 2 ₀ (%)	1	3.30	0.1	4.30
e. 2 ₀ to 4 ₀ (%)	1	8.80	0.1	0.1
f. 4 ₀ to 6 ₀ (%)	39	8	6	4
g. 6 ₀ to 8 ₀ (%)	18	37	41	31
h. 8 ₀ to 10 ₀ (%)	17	2.2	2	27
i. 10 ₀ to 20 ₀ (%)	24	31	30	37
20. SUBSAMPLE DRY WEIGHT (gm)	2971	3052	3227	2853
21. SPECIFICITY (avg.)				
22. Plasticity Plasticity	High	High	High	High
23. Shrinkage Shrinkage	0	47%	< 1%	0
24. DIFFUSION INDEX				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB.			

SCATTERED SMALL THROUGHOUT THE CORE 3 INCHES GAP AT 20"	
BLACK STREAKS IN THE TOP TWO AND BOTTOM TWO INCHES OF THE CORE	
CORE APPEARS UNIFORM SOFT, BLACK MATERIAL AT 103 INCHES.	
SEDIMENT TYPE	SANDY AND CLAYEY SILT CLAYEY SILT CLAYEY SILT

SCATTERED WELL THROUGHOUT THE CORE 3 INCHES GAP AT 27"
BLACK STREAKS IN THE TOP TWO AND BOTTOM TWO INCHES OF THE CORE
CORE APPEARS UNIFORM SOFT BOUNCY MATERIAL AT 103 INCHES.

SAMPLE TYPE	SANDY AND CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-180-1	5. SAMPLER TYPE	CONTINUED
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3594	3595	*
10. SUBSAMPLE DEPTH IN CORE (m.)	99-101	124-126	
11. COLOR	Grayish Olive Green	Grayish Olive Green	
	55Y 3/4	55Y 3/4	
12. DRY			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MAXIMUM PROBABILITY (%)			
16. MINIMUM PROBABILITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₀ (%)	0.1	0.1	0.1
b. -2 ₀ to -1 ₀ (%)	34	34	34
c. -1 ₀ to 0 ₁₀ (%)	46	46	46
d. 0 ₁₀ to 2 ₀ (%)	1	0.1	0.1
e. 2 ₀ to 4 ₀ (%)	0.1	0.1	0.1
f. 4 ₀ to 6 ₀ (%)	5	4	4
g. 6 ₀ to 8 ₀ (%)	29	30	30
h. 8 ₀ to 10 ₀ (%)	2.9	32	32
i. 10 ₀ to 20 ₀ (%)	36	33	33
j. 20 ₀ to 40 ₀ (%)	1866	2062	2062
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPECIFICITY (avg.)			
22. Plasticity Plasticity	High	High	High
23. Shrinkage Shrinkage	0	0	0
24. DIFFUSION INDEX			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	* Black layers		

SAMPLE TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-181-1	2. LOCATION	44	3. DATE	01/31/58	4. NAME	Kullenberg
5. WATER DEPTH (')	58	6. CORE DEPTH (')	58	7. CORE PENETRATION (in.)	65	8. CORE PENETRATION (in.)	9
9. LABORATORY NUMBERS	4091	10. LABORATORY NUMBERS	4092	11. LABORATORY NUMBERS	4093	12. LABORATORY NUMBERS	4094
13. SUBSAMPLING DEPTH IN CORE (in.)	0-2	14. SUBSAMPLING DEPTH IN CORE (in.)	0-2	15. SUBSAMPLING DEPTH IN CORE (in.)	0-2	16. SUBSAMPLING DEPTH IN CORE (in.)	0-2
17. COLOR	Dark Greenish Gray	18. COLOR	Dark Greenish Gray	19. COLOR	Dark Greenish Gray	20. COLOR	Dark Greenish Gray
21. SPECIFIC GRAVITY	1.51	22. SPECIFIC GRAVITY	1.51	23. SPECIFIC GRAVITY	1.51	24. SPECIFIC GRAVITY	1.51
25. PLASTICITY INDEX	18.51	26. PLASTICITY INDEX	18.51	27. PLASTICITY INDEX	18.51	28. PLASTICITY INDEX	18.51
29. LIQUID LIMIT (%)	37	30. LIQUID LIMIT (%)	37	31. LIQUID LIMIT (%)	37	32. LIQUID LIMIT (%)	37
33. SHREWS	1	34. SHREWS	1	35. SHREWS	1	36. SHREWS	1
37. OTHER MINERALS (%)	18.51	38. OTHER MINERALS (%)	18.51	39. OTHER MINERALS (%)	18.51	40. OTHER MINERALS (%)	18.51
41. COMPOSITION	Dark Greenish Gray	42. COMPOSITION	Dark Greenish Gray	43. COMPOSITION	Dark Greenish Gray	44. COMPOSITION	Dark Greenish Gray
45. GRAIN SIZE	15-30"	46. GRAIN SIZE	15-30"	47. GRAIN SIZE	15-30"	48. GRAIN SIZE	15-30"
49. GRAIN SIZE	15-30"	50. GRAIN SIZE	15-30"	51. GRAIN SIZE	15-30"	52. GRAIN SIZE	15-30"
53. GRAIN SIZE	15-30"	54. GRAIN SIZE	15-30"	55. GRAIN SIZE	15-30"	56. GRAIN SIZE	15-30"
57. GRAIN SIZE	15-30"	58. GRAIN SIZE	15-30"	59. GRAIN SIZE	15-30"	60. GRAIN SIZE	15-30"
61. GRAIN SIZE	15-30"	62. GRAIN SIZE	15-30"	63. GRAIN SIZE	15-30"	64. GRAIN SIZE	15-30"
65. GRAIN SIZE	15-30"	66. GRAIN SIZE	15-30"	67. GRAIN SIZE	15-30"	68. GRAIN SIZE	15-30"
69. GRAIN SIZE	15-30"	70. GRAIN SIZE	15-30"	71. GRAIN SIZE	15-30"	72. GRAIN SIZE	15-30"
73. GRAIN SIZE	15-30"	74. GRAIN SIZE	15-30"	75. GRAIN SIZE	15-30"	76. GRAIN SIZE	15-30"
77. GRAIN SIZE	15-30"	78. GRAIN SIZE	15-30"	79. GRAIN SIZE	15-30"	80. GRAIN SIZE	15-30"
81. GRAIN SIZE	15-30"	82. GRAIN SIZE	15-30"	83. GRAIN SIZE	15-30"	84. GRAIN SIZE	15-30"
85. GRAIN SIZE	15-30"	86. GRAIN SIZE	15-30"	87. GRAIN SIZE	15-30"	88. GRAIN SIZE	15-30"
89. GRAIN SIZE	15-30"	90. GRAIN SIZE	15-30"	91. GRAIN SIZE	15-30"	92. GRAIN SIZE	15-30"
93. GRAIN SIZE	15-30"	94. GRAIN SIZE	15-30"	95. GRAIN SIZE	15-30"	96. GRAIN SIZE	15-30"
97. GRAIN SIZE	15-30"	98. GRAIN SIZE	15-30"	99. GRAIN SIZE	15-30"	100. GRAIN SIZE	15-30"
101. GRAIN SIZE	15-30"	102. GRAIN SIZE	15-30"	103. GRAIN SIZE	15-30"	104. GRAIN SIZE	15-30"
105. GRAIN SIZE	15-30"	106. GRAIN SIZE	15-30"	107. GRAIN SIZE	15-30"	108. GRAIN SIZE	15-30"
109. GRAIN SIZE	15-30"	110. GRAIN SIZE	15-30"	111. GRAIN SIZE	15-30"	112. GRAIN SIZE	15-30"
113. GRAIN SIZE	15-30"	114. GRAIN SIZE	15-30"	115. GRAIN SIZE	15-30"	116. GRAIN SIZE	15-30"
117. GRAIN SIZE	15-30"	118. GRAIN SIZE	15-30"	119. GRAIN SIZE	15-30"	120. GRAIN SIZE	15-30"
121. GRAIN SIZE	15-30"	122. GRAIN SIZE	15-30"	123. GRAIN SIZE	15-30"	124. GRAIN SIZE	15-30"
125. GRAIN SIZE	15-30"	126. GRAIN SIZE	15-30"	127. GRAIN SIZE	15-30"	128. GRAIN SIZE	15-30"
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133. GRAIN SIZE	15-30"	134. GRAIN SIZE	15-30"	135. GRAIN SIZE	15-30"	136. GRAIN SIZE	15-30"
137. GRAIN SIZE	15-30"	138. GRAIN SIZE	15-30"	139. GRAIN SIZE	15-30"	140. GRAIN SIZE	15-30"
141. GRAIN SIZE	15-30"	142. GRAIN SIZE	15-30"	143. GRAIN SIZE	15-30"	144. GRAIN SIZE	15-30"
145. GRAIN SIZE	15-30"	146. GRAIN SIZE	15-30"	147. GRAIN SIZE	15-30"	148. GRAIN SIZE	15-30"
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181. GRAIN SIZE	15-30"	182. GRAIN SIZE	15-30"	183. GRAIN SIZE	15-30"	184. GRAIN SIZE	15-30"
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457. GRAIN SIZE	15-30"	458. GRAIN SIZE	15-30"	459. GRAIN SIZE	15-30"	460. GRAIN SIZE	15-30"
461. GRAIN SIZE	15-30"	462. GRAIN SIZE	15-30"	463. GRAIN SIZE	15-30"	464. GRAIN SIZE	15-30"
465. GRAIN SIZE	15-30"	466. GRAIN SIZE	15-30"	467. GRAIN SIZE	15-30"	468. GRAIN SIZE	15-30"
469. GRAIN SIZE	15-30"	470. GRAIN SIZE	15-30"	471. GRAIN SIZE	15-30"	472. GRAIN SIZE	15-30"
473. GRAIN SIZE	15-30"	474. GRAIN SIZE	15-30"	475. GRAIN SIZE	15-30"	476. GRAIN SIZE	15-30"
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489. GRAIN SIZE	15-30"	490. GRAIN SIZE	15-30"	491. GRAIN SIZE	15-30"	492. GRAIN SIZE	15-30"
493. GRAIN SIZE	15-30"	494. GRAIN SIZE	15-30"	495. GRAIN SIZE	15-30"	496. GRAIN SIZE	15-30"
497. GRAIN SIZE	15-30"	498. GRAIN SIZE	15-30"	499. GRAIN SIZE	15-30"	500. GRAIN SIZE	15-30"
501. GRAIN SIZE	15-30"	502. GRAIN SIZE	15-30"	503. GRAIN SIZE	15-30"	504. GRAIN SIZE	15-30"
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525. GRAIN SIZE	15-30"	526. GRAIN SIZE	15-30"	527. GRAIN SIZE	15-30"	528. GRAIN SIZE	15-30"
529. GRAIN SIZE	15-30"	530. GRAIN SIZE	15-30"	531. GRAIN SIZE	15-30"	532. GRAIN SIZE	15-30"
533. GRAIN SIZE	15-30"	534. GRAIN SIZE	15-30"	535. GRAIN SIZE	15-30"	536. GRAIN SIZE	15-30"
537. GRAIN SIZE	15-30"	538. GRAIN SIZE	15-30"	539. GRAIN SIZE	15-30"	540. GRAIN SIZE	15-30"
541. GRAIN SIZE	15-30"	542. GRAIN SIZE	15-30"	543. GRAIN SIZE	15-30"	544. GRAIN	

1. SAMPLE NUMBER	2. LATITUDE	3. LONGITUDE	4. DATE (day, month, year)	5. SAMPLER TYPE	6. WATER DEPTH (m.)	7. CORE LENGTH (m.)	8. CORE PENETRATION (m.)
66-181-1 continued							
9. LABORATORY NUMBER							
10. SUBSAMPLE DEPTH IN CORE (m.)							
11. COLOR							
12. ODSR							
13. WET DENSITY (kg./cc.)							
14. RESIDUE (%)							
15. MUDHOLD POSSIBILITY (%)							
16. MUDHOLD PROB. (%)							
17. WATER CONTENT (%)							
18. DEWPOINT GRADIENT (°C./M.)							
19. SIFT ANALYSIS (Wt. %)							
20. SUBSAMPLER SPOT WEIGHT (mg.)							
21. SPECIFICITY (mg.)							
22. MINERALOGY Plasticity							
23. SUBSTRATE Shell Cen							
24. DOMINANT MINERAL (%)							
25. SECONDARY MINERAL (%)							
26. OTHER MINERALS (%)							
27. REMARKS:							

continued:

38-41" Gray shales. Silt w/b back layers.

41-58" soft sandy

58-65" Grav clay-Silt w/black layers & areas

of soft olive gray day

Clayey Silt	Silty Mud	Sandy Mud	Clayey Silt
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[illegible]

1. SAMPLE NUMBER	66-182-1
2. LAT. TIME	44 00 37.5 N
3. LONG. TIME	69 00 57 W
4. DATE (day, month, year)	1 October 1968
5. LABORATORY NUMBER	6365
6. WATER DEPTH (m.)	440
1. COLOR	Dark Yellowish Brown 1054/2
2. DOOR	
3. NET DENSITY (lb./ft. ³)	
4. SUGGESTED (mm)	
5. MAXIMUM POROSITY (%)	
6. MINIMUM POROSITY (%)	
7. WATER CONTENT (%)	
12. ORGANIC CARBON CONTENT (%)	
13. SIZE ANALYSIS AND STATISTICAL MEASURES	
$n_1 \cdot x_1 + n_2 \cdot x_2$ (g)	31
$n_1 \cdot x_1^2 + n_2 \cdot x_2^2$ (g)	6
$n_1 \cdot x_1^3 + n_2 \cdot x_2^3$ (g)	19
$n_1 \cdot x_1^4 + n_2 \cdot x_2^4$ (g)	2
$n_1 \cdot x_1^5 + n_2 \cdot x_2^5$ (g)	3
$n_1 \cdot x_1^6 + n_2 \cdot x_2^6$ (g)	4
$\sum_{i=1}^n x_i \cdot x_i^2$ (g)	6
20. SUSPENSIBLE DRY WEIGHT (mg)	37.43
21. SPED (CITY) (exp.)	
22. $\frac{100 \cdot \text{SPED} \cdot \text{CITY}}{\text{SPED} + \text{CITY}}$	11.60
23. GRADE-ESTIMATE $\frac{100 \cdot \text{SPED} \cdot \text{CITY}}{\text{SPED} + \text{CITY}}$	17
24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab The sample contained one cobble (2.5 x 1.5 x 1.4 = .97 g) Not included in analysis.	
Sediment Type	Sand

1. SAMPLE NUMBER	66-183-1
2. LATITUDE	43° 5' N
3. LONGITUDE	69° 00' W
4. DATE (day, month, year)	1 October 1959
5. LABORATORY NUMBERS	5326
6. WATER DEPTH (m)	15.8
1. COLOR	Dark Yellowish Brown 10.5 K1/2
2. DOOR	
3. WET DENSITY (lb./ft. ³)	
4. FROSTFREE (mm)	
5. MAXIMUM POROSITY (%)	
6. MAXIMUM POROSITY (%)	
7. WATER CONTENT (%)	
8. ORGANIC CARBON CONTENT (%)	
9. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. Σx_i^2 (g.)	14
b. Σx_i to Σx_i^2 (g.)	Σx_i 40.25
c. Σx_i to Σx_i^2 (g.)	4
d. Σx_i to Σx_i^2 (g.)	Σx_i 1.05
e. Σx_i to Σx_i^2 (g.)	17
f. Σx_i to Σx_i^2 (g.)	Σx_i 0.40
g. Σx_i to Σx_i^2 (g.)	13
h. Σx_i to Σx_i^2 (g.)	Σx_i 3.80
i. Σx_i to Σx_i^2 (g.)	11
j. Σx_i to Σx_i^2 (g.)	3
k. Σx_i to Σx_i^2 (g.)	6
l. Σx_i to Σx_i^2 (g.)	6
m. Σx_i to Σx_i^2 (g.)	10
20. SUBMARINE DRY WEIGHT (gms)	35.57
21. SPECIFIC GRAVITY (gms.)	
22. WATER CONTENT (%)	Low
23. SUBMARINE DRY WEIGHT (gms)	25.2
24. SOILWATER RATIO (mm)	566/120
25. SOILWATER RATIO (mm)	
26. OTHER MATERIALS (%)	
27. REMARKS	Items 11-26 determined in the bb
Sediment Type	Pebbly Sand

1. SAMPLE NUMBER	66-124-1	5. SAMPLER TYPE	KILLENBERG
2. LATITUDE	43 58 47 N	6. WATER DEPTH (m.)	40.0
3. LONGITUDE	68 59 35 W	7. CORE LENGTH (m.)	17
4. DATE (day, month, year)	1 October 1959	8. CORE PRESERVATION (‰)	100
5. LABS. SHIP NUMBERS	8321	9. LABS. SHIP NUMBERS	3726
6. WATER DEPTH (m.)	27.5	10. SUBSAMPLE DEPTH IN CORE (m.)	0-2
7. COLOR	Dark Brown Yellow 1000/12	11. COLOR	Dark Gray M3
12. ODOR		12. ODOR	
13. NET DENSITY (lb./ft ³)		13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)	0 _φ	a. < 2 _φ (%)	0 _φ
b. 2 _φ to -1 _φ (%)	1	b. 2 _φ to -1 _φ (%)	5
c. -1 _φ to 0 _φ (%)	1	c. -1 _φ to 0 _φ (%)	5
d. 0 _φ to 1 _φ (%)	1	d. 0 _φ to 1 _φ (%)	4
e. 1 _φ to 2 _φ (%)	7	e. 1 _φ to 2 _φ (%)	5
f. 2 _φ to 3 _φ (%)	31	f. 2 _φ to 3 _φ (%)	3
g. 3 _φ to 4 _φ (%)	14	g. 3 _φ to 4 _φ (%)	3
h. 4 _φ to 6 _φ (%)	6	h. 4 _φ to 6 _φ (%)	18
i. 6 _φ to 8 _φ (%)	7	i. 6 _φ to 8 _φ (%)	26
j. > 8 _φ (%)	12	j. > 8 _φ (%)	33
20. SUBSAMPLE DRY WEIGHT (gm)	32.42	20. SUBSAMPLE DRY WEIGHT (gm)	63.94
21. SPECIFIC GRAVITY	Med	21. SPECIFIC GRAVITY	Med
22. MINIMUM TESTED Plasticity	Med	22. MINIMUM TESTED Plasticity	Med
23. MINIMUM TESTED Flow Shell/Gr.	< 1/2	23. MINIMUM TESTED Flow Shell/Gr.	< 1/2
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS: Items 11-20 determined in the lab		27. REMARKS: Items 11-26 determined in the lab	

1. SAMPLE NUMBER	66-165-1	5. SAMPLER TYPE	KILLENBERG
2. LATITUDE	43 59 37 N	6. WATER DEPTH (m.)	40.0
3. LONGITUDE	68 59 14 W	7. CORE LENGTH (m.)	17
4. DATE (day, month, year)	1 October 1959	8. CORE PRESERVATION (‰)	100
5. LABS. SHIP NUMBERS	3723 *	9. LABS. SHIP NUMBERS	3725
6. WATER DEPTH (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	2-5
7. COLOR	Dark Gray M3	11. COLOR	Dark Gray M3
12. ODOR		12. ODOR	
13. NET DENSITY (lb./ft ³)		13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		14. RIGIDITY (cm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)	49	a. < 2 _φ (%)	16
b. 2 _φ to -1 _φ (%)	8	b. 2 _φ to -1 _φ (%)	5
c. -1 _φ to 0 _φ (%)	9	c. -1 _φ to 0 _φ (%)	4
d. 0 _φ to 1 _φ (%)	7	d. 0 _φ to 1 _φ (%)	5
e. 1 _φ to 2 _φ (%)	4	e. 1 _φ to 2 _φ (%)	6
f. 2 _φ to 3 _φ (%)	2	f. 2 _φ to 3 _φ (%)	3
g. 3 _φ to 4 _φ (%)	2	g. 3 _φ to 4 _φ (%)	3
h. 4 _φ to 6 _φ (%)	5	h. 4 _φ to 6 _φ (%)	17
i. 6 _φ to 8 _φ (%)	6	i. 6 _φ to 8 _φ (%)	26
j. > 8 _φ (%)	8	j. > 8 _φ (%)	33
20. SUBSAMPLE DRY WEIGHT (gm)	63.94	20. SUBSAMPLE DRY WEIGHT (gm)	48.27
21. SPECIFIC GRAVITY	Med	21. SPECIFIC GRAVITY	Med
22. MINIMUM TESTED Plasticity	Med	22. MINIMUM TESTED Plasticity	Med
23. MINIMUM TESTED Flow Shell/Gr.	< 1/2	23. MINIMUM TESTED Flow Shell/Gr.	< 1/2
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS: Items 11-26 determined in the lab		27. REMARKS: Items 11-26 determined in the lab	

* Mottled

Sediment Type	Silty Sand
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Sediment Type	Silty Mud
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1. SAMPLE NUMBER	66-115-1	2. SITE	KNOWLED	3. SAMPLE TYPE	
2. LATITUDE	44° 00'	3. LONGITUDE	68° 54'	4. DATE (day, month, year)	1 October 1969
5. WATER DEPTH (m.)	31.2	6. CORE LENGTH (m.)	37.0	7. CORE PENETRATION (m.)	15.7
8. LABORATORY NUMBERS		9. LABORATORY NUMBERS		10. SUBSAMPLE DEPTH IN CORE (m.)	
11. COLOR	Dark Grey N3	12. COLOR		13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SITE ANALYSIS AND STATISTICAL MEASURES	
20. SUBSAMPLE DRY WEIGHT (gm)		21. SPECIFIC GRAVITY		22. SUBSTRATE	
23. SUBSTRATE	Med	24. DOMINANT MINERAL (%)	0	25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		27. REMARKS		28. OTHER MINERALS (%)	

Sediment Type	Silt, Mud
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1. SAMPLE NUMBER	66-126-1	2. SITE	KNOWLED	3. SAMPLE TYPE	
2. LATITUDE	44° 00'	3. LONGITUDE	68° 54'	4. DATE (day, month, year)	1 October 1969
5. WATER DEPTH (m.)	31.2	6. CORE LENGTH (m.)	37.0	7. CORE PENETRATION (m.)	15.7
8. LABORATORY NUMBERS		9. LABORATORY NUMBERS		10. SUBSAMPLE DEPTH IN CORE (m.)	
11. COLOR	Dark Yellowish Brown 10YR 4/2	12. COLOR		13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SITE ANALYSIS AND STATISTICAL MEASURES	
20. SUBSAMPLE DRY WEIGHT (gm)		21. SPECIFIC GRAVITY		22. SUBSTRATE	
23. SUBSTRATE	Med	24. DOMINANT MINERAL (%)	8%	25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		27. REMARKS		28. OTHER MINERALS (%)	

Sediment Type	Clayey Sand
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1. SAMPLE NUMBER	66-127-1	2. SITE	KNOWLED	3. SAMPLE TYPE	
2. LATITUDE	44° 01'	3. LONGITUDE	68° 59'	4. DATE (day, month, year)	1 October 1969
5. WATER DEPTH (m.)	45.0	6. CORE LENGTH (m.)	53.29	7. CORE PENETRATION (m.)	
8. LABORATORY NUMBERS		9. LABORATORY NUMBERS		10. SUBSAMPLE DEPTH IN CORE (m.)	
11. COLOR	Dark Yellowish Brown 10YR 4/2	12. COLOR		13. NET DENSITY (lb./ft ³)	
14. RIGIDITY (cm)		15. MAXIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		18. ORGANIC CARBON CONTENT (%)		19. SITE ANALYSIS AND STATISTICAL MEASURES	
20. SUBSAMPLE DRY WEIGHT (gm)		21. SPECIFIC GRAVITY		22. SUBSTRATE	
23. SUBSTRATE	Med	24. DOMINANT MINERAL (%)	2%	25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		27. REMARKS		28. OTHER MINERALS (%)	

Sediment Type	Silt, Sand with shell
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1. SAMPLE NUMBER	66-188-1	2. LATITUDE	44.02	44.44	N
3. LONGITUDE	68.59	45.45	W		
4. DATE (day, month, year)	1 October 1969				
5. LABSATORY NUMBERS	8330				
6. WATER DEPTH (m.)	54.0				
11. COLOR	Dork Yellowish Brown 10R4/2				
12. 0008					
13. MET DENSITY (1b-14 ²)					
14. RESIDUE (m)					
15. MAXIMUM PROSITY (5)					
16. MINIMUM PROSITY (5)					
17. WATER CONTENT (5)					
18. ORGANIC CARBON CONTENT (5)					
19. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. -2 ₅ (5)	26	10 ₂	2.15		
b. -2 ₅ to -1 ₀ (2)	16	34	40.36		
c. -1 ₀ to 0 ₁ (1)	10	10	0.26		
d. 0 ₁ to 1 ₀ (4)	10	0 ₁	2.05		
e. 1 ₀ to 2 ₅ (5)	11	0 ₂	2.26		
f. 2 ₅ to 3 ₅ (4)	5				
g. 3 ₅ to 8 ₅ (5)	2				
h. 8 ₅ to 6 ₅ (3)	3				
i. 6 ₅ to 9 ₅ (5)	5				
j. 9 ₅ (5)	11				
20. SOSSAMPLE DRY WEIGHT (gm)	34.48				
21. SPECIFIC (20-2)					
22. unconsolidated Plasticity	Med.				
23. unconsolidated Plasticity	29				
24. SOSSPART MINERAL (5)					
25. SECONDARY MINERAL (5)					
26. OTHER MINERALS (5)					
27. REMARKS: Items 11-20 determined in the lab The sample contained one pebble (1/2 x 1/8 x 1/44.4 gm) Not included in analysis					
Sediment Type	Pebbly Sand				

1. SAMPLE NUMBER	66-189-1	2. LATITUDE	44.03	45.45	N
3. LONGITUDE	68.59	42.46	W		
4. DATE (day, month, year)	1 October 1969				
5. LABSATORY NUMBERS	8331				
6. WATER DEPTH (m.)	56.0				
11. COLOR	Olive Black 5Y2/1				
12. 0008					
13. MET DENSITY (1b-14 ²)					
14. RESIDUE (m)					
15. MAXIMUM PROSITY (5)					
16. MINIMUM PROSITY (5)					
17. WATER CONTENT (5)					
18. ORGANIC CARBON CONTENT (5)					
19. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. -2 ₅ (5)		0 ₂			
b. -2 ₅ to -1 ₀ (2)		8			
c. -1 ₀ to 0 ₁ (1)		1			
d. 0 ₁ to 1 ₀ (4)		Med.	5.30		
e. 1 ₀ to 2 ₅ (5)		2			
f. 2 ₅ to 3 ₅ (4)		3			
g. 3 ₅ to 8 ₅ (5)		23			
h. 8 ₅ to 6 ₅ (3)		9			
i. 6 ₅ to 9 ₅ (5)		12			
j. 9 ₅ (5)		17			
20. SOSSAMPLE DRY WEIGHT (gm)		26			
21. SPECIFIC (20-2)		24.03			
22. unconsolidated Plasticity	Med				
23. unconsolidated Plasticity	0				
24. SOSSPART MINERAL (5)					
25. SECONDARY MINERAL (5)					
26. OTHER MINERALS (5)					
27. REMARKS: Items 11-20 determined in the lab					
Sediment Type	Silty Mud				

1. SAMPLE NUMBER	66-190-1	2. LATITUDE	44.04	35.45	N
3. LONGITUDE	68.59	47.47	W		
4. DATE (day, month, year)	1 October 1969				
5. LABSATORY NUMBERS	8344 *				
6. WATER DEPTH (m.)	0-2				
11. COLOR	Greenish and Green (5Y 4/2) over Medium to Dark Gray (5Y 4/2)				
12. 0008					
13. MET DENSITY (1b-14 ²)					
14. RESIDUE (m)					
15. MAXIMUM PROSITY (5)					
16. MINIMUM PROSITY (5)					
17. WATER CONTENT (5)					
18. ORGANIC CARBON CONTENT (5)					
19. SIZE ANALYSIS AND STATISTICAL MEASURES					
a. -2 ₅ (5)		3/	0 ₂	6	0 ₂
b. -2 ₅ to -1 ₀ (2)	6	3	6.65	1	34
c. -1 ₀ to 0 ₁ (1)	3	3	6.12	1	34
d. 0 ₁ to 1 ₀ (4)	2	0 ₁	4.77	1	0 ₁
e. 1 ₀ to 2 ₅ (5)	2	0 ₂	1	0 ₂	1
f. 2 ₅ to 3 ₅ (4)	3	1	1	1	1
g. 3 ₅ to 8 ₅ (5)	3	1	3	3	8
h. 8 ₅ to 6 ₅ (3)	23	12	21	14	
i. 6 ₅ to 9 ₅ (5)	29	24	28	20	
j. 9 ₅ (5)	29	28	37	25	
20. SOSSAMPLE DRY WEIGHT (gm)		29.45	32.51	32.83	28.40
21. SPECIFIC (20-2)					
22. unconsolidated Plasticity	High		High	High	High
23. unconsolidated Plasticity	0		0	0	0
24. SOSSPART MINERAL (5)					
25. SECONDARY MINERAL (5)					
26. OTHER MINERALS (5)					
27. REMARKS: Items 11-20 determined in the lab * The sample contained numerous black streaks. ** The sample was a blue layer. *** The sample contained a blue layer.					
Sediment Type	Clayey Silt	Clayey Silt	Clayey Silt	Clayey Silt	Sandy Mud

1. SAMPLE NUMBER	66-190-1	CONTINUED	5. SAMPLER TYPE
2. LATITUDE			3. WATER DEPTH (m.)
3. LONGITUDE			7. CORE LENGTH (m.)
4. DATE (Day, month, year)			8. CORE PENETRATION (m.)
9. LABORATORY NUMBERS	3649 *	3650 *	3651 *
10. SUBSAMPLE DEPTH IN CORE (m.)	5.5 - 10	13 - 15	15 - 15.5
11. COLOR	Medium Dark Gray M4	Medium Dark Gray M4	Black M-1, AND Dark Gray M3
12. DOOR	3338		
13. WET DENSITY (lb./ft. ³)			
14. FRICTION (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. \bar{x} , (s)	\bar{x} , (s)	\bar{x} , (s)	\bar{x} , (s)
b. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
c. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
d. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
e. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
f. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
g. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
h. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
i. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
j. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
20. SUBSAMPLABLE DRY WEIGHT (gm)	33.20	35.44	45.08
21. SPECIFICITY (gm/g)			29.13
22. PLASTICITY	High	High	High
23. SHEAR STRENGTH (lb./sq. in.)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

0" Subsample 18" x 18" x 4" covered w/ gravel
0.2" green clay
0.2" clayey silt w/ black layer.
2-3" Hard clay layer

1. SAMPLE NUMBER	66-190-1	CONTINUED	5. SAMPLER TYPE
2. LATITUDE			3. WATER DEPTH (m.)
3. LONGITUDE			7. CORE LENGTH (m.)
4. DATE (Day, month, year)			8. CORE PENETRATION (m.)
9. LABORATORY NUMBERS	3652	3653	3654
10. SUBSAMPLE DEPTH IN CORE (m.)	15.5 - 19	19 - 21	21 - 23
11. COLOR	Dark Gray M3 AND Black M1	Blue Gray (M4) AND Medium Dark Gray M4	Medium Dark Gray M3
12. DOOR			
13. WET DENSITY (lb./ft. ³)			
14. FRICTION (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. \bar{x} , (s)	\bar{x} , (s)	\bar{x} , (s)	\bar{x} , (s)
b. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
c. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
d. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
e. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
f. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
g. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
h. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
i. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
j. \bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)	\bar{x} to \bar{x} (s)
20. SUBSAMPLABLE DRY WEIGHT (gm)	31.19	37.27	40.75
21. SPECIFICITY (gm/g)			46.32
22. PLASTICITY	High	High	High
23. SHEAR STRENGTH (lb./sq. in.)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

4-5" Fine sand & silt.
10-18" Hard clay lumps & shals.
19-21" Sand & silt.

SAMPLE NUMBER 66-190-1 CONTINUED				5. SAMPLER TYPE			
2. LATITUDE				5. WATER DEPTH (m.)			
3. LONGITUDE				7. CORE LENGTH (in.)			
4. DATE (Day, month, year)				8. CORE PENETRATION (in.)			
9. LABORATORY NUMBERS	3652 *	3657 *	3658 *				3659 *
10. SUBSAMPLE DEPTH IN CORE (in.)	41-42	46-48	60-62				73-74
11. COLOR	DRINK COFF	Medium Dark Gray	Medium Dark Gray				Medium Dark Gray
	H.S.	N ₄	N ₄				N ₄
12. ODRR							
13. WET DENSITY (lb./ft. ³)							
14. RIGIDNESS (cm)							
15. MAXIMUM POROSITY (%)							
16. MINIMUM POROSITY (%)							
17. WATER CONTENT (%)							
18. ORGANIC CARBON CONTENT (%)							
19. SIZE ANALYSIS AND STATISTICAL MEASURES							
a. < 2 ₅ (%)	OD ₅	SD ₅	MD ₅	SD ₅	MD ₅	SD ₅	OD ₅
b. -2 ₅ to -1 ₆ (%)	SD ₅						SD ₅
c. -1 ₆ to 0 ₁ (%)	MD ₅	7.90	MD ₅	7.57	7.26		MD ₅
d. 0 ₁ to 1 ₆ (%)	OD ₅	6.80	OD ₅	5.39	5.08		OD ₅
e. 1 ₆ to 2 ₅ (%)	OD ₅	1	OD ₅	2			OD ₅
f. 2 ₅ to 3 ₆ (%)		3		6			13
g. 3 ₆ to 4 ₆ (%)	3			6			9
h. 4 ₆ to 6 ₀ (%)	21			20			17
i. 6 ₀ to 9 ₀ (%)	39			31			21
j. > 9 ₀ (%)	36			36			24
20. SUBSAMPLE DRY WEIGHT (gm)	33.56			42.96			29.61
21. SPECIFICITY (avg.)							
22. MINIMUM PLASTICITY	High			High			High
23. MINIMUM PLASTICITY	0			0			0
24. DOMINANT MINERAL (%)							
25. SECONDARY MINERAL (%)							
26. OTHER MINERALS (%)							
27. REMARKS:							
21-29" clay w/ black layers - sharp boundary at base, gradual in at top. Fraction of mch to 2" sands. Some of lighter areas gr. H ₂ O than black.							
SEDIMENT TYPE				Silty Mud			

SAMPLE NUMBER 66-190-1 CONTINUED				5. SAMPLER TYPE			
2. LATITUDE				5. WATER DEPTH (m.)			
3. LONGITUDE				7. CORE LENGTH (in.)			
4. DATE (Day, month, year)				8. CORE PENETRATION (in.)			
9. LABORATORY NUMBERS							
10. SUBSAMPLE DEPTH IN CORE (in.)							
11. COLOR							
12. ODRR							
13. WET DENSITY (lb./ft. ³)							
14. RIGIDNESS (cm)							
15. MAXIMUM POROSITY (%)							
16. MINIMUM POROSITY (%)							
17. WATER CONTENT (%)							
18. ORGANIC CARBON CONTENT (%)							
19. SIZE ANALYSIS AND STATISTICAL MEASURES							
a. < 2 ₅ (%)	OD ₅	SD ₅	MD ₅	SD ₅	MD ₅	SD ₅	OD ₅
b. -2 ₅ to -1 ₆ (%)	SD ₅						SD ₅
c. -1 ₆ to 0 ₁ (%)	MD ₅	6.75					MD ₅
d. 0 ₁ to 1 ₆ (%)	OD ₅	1	OD ₅	3.82			OD ₅
e. 1 ₆ to 2 ₅ (%)	OD ₅	6					OD ₅
f. 2 ₅ to 3 ₆ (%)		11					
g. 3 ₆ to 4 ₆ (%)		7					
h. 4 ₆ to 6 ₀ (%)		17					
i. 6 ₀ to 9 ₀ (%)		26					
j. > 9 ₀ (%)		32					
20. SUBSAMPLE DRY WEIGHT (gm)				44.73			
21. SPECIFICITY (avg.)							
22. MINIMUM PLASTICITY	High						
23. MINIMUM PLASTICITY	0						
24. DOMINANT MINERAL (%)							
25. SECONDARY MINERAL (%)							
26. OTHER MINERALS (%)							
27. REMARKS:							
34-77" Same as 21-39 but siltier & bedding appears to be graded. Some sandy layers at 65-68", 74", 77" # 76-50 = sample of fines. # 36-590 = sample of coarse M.S. bedding							
SEDIMENT TYPE				Silty Mud			

[illegible][illegible]

1. SAMPLE NUMBER	66-192-1	5. SAMPLER TYPE	KOLLEDBERS
2. LATITUDE	44 08 N	5. WATER DEPTH (m.)	280
3. LONGITUDE	69 01 W	7. CORE LENGTH (m.)	109
4. DATE (day, month, year)	1959 / OCT	8. CORE PENETRATION (m.)	156
9. LABORATORY NUMBERS	3509	3601	3602
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	16-18	48-50
11. COLOR	DARK YELLOWISH BROWN 10YR 4/2	DARK YELLOWISH BROWN 10YR 4/2	DARK YELLOWISH BROWN 10YR 4/2
12. ODOR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₀ (%)	10 ₂	10 ₂	10 ₂
b. -2 ₀ to -1 ₀ (%)	58 ₂	58 ₂	58 ₂
c. -1 ₀ to 0 ₁₀ (%)	ML 8.20	ML 8.25	ML 8.20
d. 0 ₁₀ to 1 ₀ (%)	01 ₂ 6.00	01 ₂ 5.90	01 ₂ 6.08
e. 1 ₀ to 2 ₀ (%)	2	2	2
f. 2 ₀ to 3 ₀ (%)			
g. 3 ₀ to 6 ₀ (%)	23	24	21
h. 6 ₀ to 8 ₀ (%)	36	33	36
i. 8 ₀ to 9 ₀ (%)	38	41	41
j. 9 ₀ (%)	21	22	22
20. SUBSAMPLE DRY WEIGHT (mg)	21.34	22.46	23.68
21. SPECIFIC GRAVITY			
22. PLASTICITY	High	High	High
23. LIQUID LIMIT (%)	21	22	22
24. SHREINKAGE (%)	36	33	36
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB. ONE 1/4 IN. OF SOFT, UNCONSOLIDATED MUD AT 93". BOTTOM 3" DARKER AND NOT AS CONSOLIDATED AS REST OF CORE.		

1. SAMPLE NUMBER	66-192-1	5. SAMPLER TYPE	CONTINUED
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3603	3604	*
10. SUBSAMPLE DEPTH IN CORE (m.)	93-94	107-109	
11. COLOR	OLIVE GRAY	OLIVE GRAY	
12. ODOR	5-Y 4/1	5-Y 4/1	
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₀ (%)	10 ₂	10 ₂	10 ₂
b. -2 ₀ to -1 ₀ (%)	58 ₂	58 ₂	58 ₂
c. -1 ₀ to 0 ₁₀ (%)	ML 8.11	ML 7.97	ML 8.11
d. 0 ₁₀ to 1 ₀ (%)	01 ₂ 6.15	01 ₂ 5.85	01 ₂
e. 1 ₀ to 2 ₀ (%)	2	2	2
f. 2 ₀ to 3 ₀ (%)			
g. 3 ₀ to 6 ₀ (%)	22	25	25
h. 6 ₀ to 8 ₀ (%)	37	33	33
i. 8 ₀ to 9 ₀ (%)	40	40	40
j. 9 ₀ (%)			
20. SUBSAMPLE DRY WEIGHT (mg)	20.89	19.33	
21. SPECIFIC GRAVITY			
22. PLASTICITY	High	High	High
23. LIQUID LIMIT (%)	21	22	22
24. SHREINKAGE (%)	36	33	36
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	* Dark layers.		

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-193-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 09' 25.5" N	6. WATER DEPTH (m.)	2723
3. LONGITUDE	69° 01' 20" W	7. CORE LENGTH (m.)	12.1
4. DATE (day, month, year)	1 October 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS	3723	9. LABORATORY NUMBERS	3723
10. DESIRED DEPTH IN CORE (m.)	0-2	10. DESIRED DEPTH IN CORE (m.)	30-32
11. CORE	Drift Down	11. CORE	Dark Brown
	(5% H ₂ O)		(10% H ₂ O)
12. CORE		12. CORE	
13. NET DENSITY (lb./ft. ³)		13. NET DENSITY (lb./ft. ³)	
14. FIDUCIAL (cm)		14. FIDUCIAL (cm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
20. SUBSAMPLE DRY WEIGHT (gm)	860	20. SUBSAMPLE DRY WEIGHT (gm)	860
21. SPECIFIC (g/cc)	High	21. SPECIFIC (g/cc)	High
22. SPREAD Plasticity	High	22. SPREAD Plasticity	High
23. SPREAD Shell Cn.	0	23. SPREAD Shell Cn.	0
24. DOMINANT MINERAL (%)	0	24. DOMINANT MINERAL (%)	0
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS:	<p>TESTS 11-24 DETERMINED IN THE LAB.</p> <p>THE LAST TWO INCHES OF THE CORE WERE VERY FINE AND CONTAINED NUMEROUS SMALL STREAMS</p> <p>A FEW SHELLS SCATTERED THROUGHOUT THE CORE.</p> <p>CORE RELEASED Uniform.</p>		
SEGMENT TYPE	CORE SLT	SEGMENT TYPE	CORE SLT

1. SAMPLE NUMBER	66-193-1	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3727	9. LABORATORY NUMBERS	3728
10. DESIRED DEPTH IN CORE (m.)	82-84	10. DESIRED DEPTH IN CORE (m.)	04-106
11. CORE	Dark Brown	11. CORE	Dark Brown
	(10% H ₂ O)		(10% H ₂ O)
12. CORE		12. CORE	
13. NET DENSITY (lb./ft. ³)		13. NET DENSITY (lb./ft. ³)	
14. FIDUCIAL (cm)		14. FIDUCIAL (cm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
20. SUBSAMPLE DRY WEIGHT (gm)	810	20. SUBSAMPLE DRY WEIGHT (gm)	810
21. SPECIFIC (g/cc)	High	21. SPECIFIC (g/cc)	High
22. SPREAD Plasticity	High	22. SPREAD Plasticity	High
23. SPREAD Shell Cn.	0	23. SPREAD Shell Cn.	0
24. DOMINANT MINERAL (%)	0	24. DOMINANT MINERAL (%)	0
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS:	<p>TESTS 11-24 DETERMINED IN THE LAB.</p> <p>THE LAST TWO INCHES OF THE CORE WERE VERY FINE AND CONTAINED NUMEROUS SMALL STREAMS</p> <p>A FEW SHELLS SCATTERED THROUGHOUT THE CORE.</p> <p>CORE RELEASED Uniform.</p>		
SEGMENT TYPE	CORE SLT	SEGMENT TYPE	CORE SLT

1. SAMPLE NUMBER	66-194-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44 11 02 N	3. WATER DEPTH (m.)	320
3. LONGITUDE	69 00 59 W	7. CORE LENGTH (m.)	85
4. DATE (Day, month, year)	1 October 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS	3679	3679	3680
10. SUBSAMPLE DEPTH IN CORE (m.)	1-2	OLIVE GRAY (57-62)	OLIVE GRAY (57-62)
11. COLOR			BRNISH OLIVE GREEN (56Y 2/6)
12. 0000			
13. WET DENSITY (16./16 ²)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₅ (%)	100	99	99 ₅
b. -2 ₅ to -1 ₅ (%)	34	34	34
c. -1 ₅ to 0 ₅ (%)	100-8.16	ME. 8.95	ME. 8.94
d. 0 ₅ to 1 ₅ (%)	0 ₅ 7.10	0 ₅ 7.10	0 ₅ 7.25
e. 1 ₅ to 2 ₅ (%)	0 ₅	0 ₅	0 ₅
f. 2 ₅ to 3 ₅ (%)			
g. 3 ₅ to 4 ₅ (%)	12	12	11
h. 4 ₅ to 5 ₅ (%)	41	39	39
i. 5 ₅ (%)	46	46	49
20. SUBSAMPLE DRY WEIGHT (gm)	1844	20.98	25.31
21. SPECIFIC (D ₂₅)			1783
22. MINIMUM PLASTICITY	High	High	High
23. MINIMUM PLASTICITY	0	2 1/2	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	ITEMS 11-26 DETERMINED IN PYS 128 THE CORE CONTAINED THIN DARK LAYERS AT 74 CMES, + at 0-4" Shell scattered along bottom core.		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-194-1 ; CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		3. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS			
10. SUBSAMPLE DEPTH IN CORE (m.)			
11. COLOR			
12. 0000			
13. WET DENSITY (16./16 ²)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₅ (%)	100	99	99 ₅
b. -2 ₅ to -1 ₅ (%)	34	34	34
c. -1 ₅ to 0 ₅ (%)	ME. 8.93	ME.	ME.
d. 0 ₅ to 1 ₅ (%)	Trace	0 ₅ 7.10	0 ₅
e. 1 ₅ to 2 ₅ (%)	0 ₅	0 ₅	0 ₅
f. 2 ₅ to 3 ₅ (%)			
g. 3 ₅ to 4 ₅ (%)			
h. 4 ₅ to 5 ₅ (%)	11		
i. 5 ₅ (%)	40		
j. 9 (%)	48		
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPECIFIC (D ₂₅)			
22. MINIMUM PLASTICITY	High		
23. MINIMUM PLASTICITY	0		
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			
SEDIMENT TYPE	CLAYEY SILT		

1. SAMPLE NUMBER	66-195-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 12' 27" N	5. WATER DEPTH (m.)	43.0
3. LONGITUDE	69° 01' 04" W	7. CORE LENGTH (m.)	119
4. DATE (day, month, year)	1 October 1969	8. CORE FRACTURE (m.)	144
9. LABORATORY NUMBERS	3697	9. LABORATORY NUMBERS	3700
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	94-96
11. COLOR	Blue Gray (5-Y 4/1)	11. COLOR	Dark Yellowish Brown (10 YR 4/2)
12. DOOR		12. DOOR	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)		14. RESIDUE (%)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂	10 ₂	10 ₂
b. < 2 ₅ to < 1 ₅ (%)	5 ₂	5 ₂	5 ₂
c. < 1 ₅ to 0 ₂ (%)	4 ₂	4 ₂	4 ₂
d. 0 ₂ to 1 ₅ (%)	1	0 ₂	0 ₂
e. > 1 ₅ to 2 ₅ (%)	0 ₂	0 ₂	0 ₂
f. > 2 ₅ to 3 ₅ (%)			
g. > 3 ₅ to 4 ₅ (%)			
h. > 4 ₅ to 5 ₅ (%)	10	10	9
i. > 5 ₅ to 6 ₅ (%)	40	39	41
j. > 6 ₅ (%)	49	51	50
20. SUBSAMPLE DRY WEIGHT (gm)	12.7	21.22	15.05
21. SPECIFICITY (g/g)			23.57
22. PERCENTAGE Plasticity	Med.	Med.	Med.
23. SUMMARY PERCENTAGE PLASTICITY SHALL CAN.	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	ITEMS 11-23 DETERMINED IN THE LAB shell scattered throughout core 0-4" dark layers.		
SEAMANT TYPE	Corey Silt	Silty Clay	Corey Silt

1. SAMPLE NUMBER	66-195-1	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE FRACTURE (m.)	
9. LABORATORY NUMBERS	3701	9. LABORATORY NUMBERS	3702
10. SUBSAMPLE DEPTH IN CORE (m.)	94-96	10. SUBSAMPLE DEPTH IN CORE (m.)	117-119
11. COLOR	Dark Yellowish Brown (10 YR 4/2)	11. COLOR	Dark Yellowish Brown (10 YR 4/2)
12. DOOR		12. DOOR	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RESIDUE (%)		14. RESIDUE (%)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂	10 ₂	10 ₂
b. < 2 ₅ to < 1 ₅ (%)	5 ₂	5 ₂	5 ₂
c. < 1 ₅ to 0 ₂ (%)	4 ₂	4 ₂	4 ₂
d. 0 ₂ to 1 ₅ (%)	1	0 ₂	0 ₂
e. > 1 ₅ to 2 ₅ (%)	0 ₂	0 ₂	0 ₂
f. > 2 ₅ to 3 ₅ (%)			
g. > 3 ₅ to 4 ₅ (%)			
h. > 4 ₅ to 5 ₅ (%)	9	10	10
i. > 5 ₅ to 6 ₅ (%)	40	41	41
j. > 6 ₅ (%)	51	49	49
20. SUBSAMPLE DRY WEIGHT (gm)	22.34	21.22	16.42
21. SPECIFICITY (g/g)			
22. PERCENTAGE Plasticity	Med.	Med.	Med.
23. SUMMARY PERCENTAGE PLASTICITY SHALL CAN.	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			
SEAMANT TYPE	Silty Clay	Corey Silt	Corey Silt

1. SAMPLE NUMBER	66-196-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 13' 43" N	6. WATER DEPTH (m.)	36.4
3. LONGITUDE	69° 01' 05" W	7. CORE LENGTH (m.)	120
4. DATE (day, month, year)	1 OCT. 1958	8. CORE PENETRATION (m.)	144
5. LABORATORY NUMBERS	35336		35338
6. SUBSAMPLER DEPTH IN CORE (m.)	0-2		21-23
7. COLOR	OLIVE BLACK * 5Y 2/1 FOUL		OLIVE GRAY 5Y 4/1 58Y 5/6
8. MOOR			
9. WET DENSITY (lb./ft ³)			
10. FLOID DENSITY (m.)			
11. MATHSON POROSITY (%)			
12. MATHSON POROSITY (%)			
13. WATER CONTENT (%)			
14. ORGANIC CARBON CONTENT (%)			
15. SIZE ANALYSIS AND STATISTICAL MEASURES			
16. $b_1 - 2, (s)$			
17. $b_1 - 2, (s)$			
18. $b_1 - 2, (s)$			
19. $b_1 - 2, (s)$			
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25. $b_1 - 2, (s)$			
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87. $b_1 - 2, (s)$			
88. $b_1 - 2, (s)$			
89. $b_1 - 2, (s)$			
90. $b_1 - 2, (s)$			
91. $b_1 - 2, (s)$			
92. $b_1 - 2, (s)$			
93. $b_1 - 2, (s)$			
94. $b_1 - 2, (s)$			
95. $b_1 - 2, (s)$			
96. $b_1 - 2, (s)$			
97. $b_1 - 2, (s)$			
98. $b_1 - 2, (s)$			
99. $b_1 - 2, (s)$			
100. $b_1 - 2, (s)$			

1. SAMPLE NUMBER	66-196-1	5. SAMPLER TYPE	CORING
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
5. LABORATORY NUMBERS	3540		3542
6. SUBSAMPLER DEPTH IN CORE (m.)	39-41		61-63
7. COLOR	GRAYISH OLIVE * 10Y 4/1		DARK GREENISH GRAY * 58Y 3/6
8. MOOR			
9. WET DENSITY (lb./ft ³)			
10. FLOID DENSITY (m.)			
11. MATHSON POROSITY (%)			
12. MATHSON POROSITY (%)			
13. WATER CONTENT (%)			
14. ORGANIC CARBON CONTENT (%)			
15. SIZE ANALYSIS AND STATISTICAL MEASURES			
16. $b_1 - 2, (s)$			
17. $b_1 - 2, (s)$			
18. $b_1 - 2, (s)$			
19. $b_1 - 2, (s)$			
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29. $b_1 - 2, (s)$			
30. $b_1 - 2, (s)$			
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96. $b_1 - 2, (s)$			
97. $b_1 - 2, (s)$			
98. $b_1 - 2, (s)$			
99. $b_1 - 2, (s)$			
100. $b_1 - 2, (s)$			

23-120" clay w/ scattered shell & worm holes.
color changes at 39", 54", 75", 92"
68" black lens.

1. SAMPLE NUMBER	66-196-1 CONTINUED	5. SAMPLE TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PRESERVATION (m.)	
9. LABORATORY NUMBERS	3544	3545	
10. SUBSAMPLE DEPTH IN CORE (m.)	94-96	118-120	
11. COLOR	Grayish Olive Green	Grayish Olive Green	
12. DOOR	55 Y 3/4	55 Y 3/4	
13. NET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)	100	100	100
b. -2 _φ to -1 _φ (%)	34	34	34
c. -1 _φ to 0 _φ (%)	44	44	44
d. 0 _φ to 1 _φ (%)	14	14	14
e. 1 _φ to 2 _φ (%)	1	1	1
f. 2 _φ to 3 _φ (%)	9	9	9
g. 3 _φ to 4 _φ (%)	40	40	40
h. 4 _φ to 5 _φ (%)	50	50	50
i. > 5 _φ (%)	24	24	24
20. SUBSAMPLE DRY WEIGHT (gm)	1570	1570	1570
21. SPECIFICITY (gpc.)			
22. REMARKS (Liquidity)	High	High	High
23. REMARKS (Liquidity)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

1. SAMPLE NUMBER	66-197-1	5. SAMPLE TYPE	
2. LATITUDE	44 06 57 N	6. WATER DEPTH (m.)	
3. LONGITUDE	69 03 18 W	7. CORE LENGTH (m.)	
4. DATE (day, month, year)	2 October 1959	8. CORE PRESERVATION (m.)	
9. LABORATORY NUMBERS	5332		
10. SUBSAMPLE DEPTH IN CORE (m.)	18.2		
11. COLOR	Dark Yellowish Brown		
12. DOOR			
13. NET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 _φ (%)	100	100	100
b. -2 _φ to -1 _φ (%)	1	1	1
c. -1 _φ to 0 _φ (%)	1	1	1
d. 0 _φ to 1 _φ (%)	2	2	2
e. 1 _φ to 2 _φ (%)	3	3	3
f. 2 _φ to 3 _φ (%)	7	7	7
g. 3 _φ to 4 _φ (%)	15	15	15
h. 4 _φ to 5 _φ (%)	26	26	26
i. > 5 _φ (%)	21	21	21
20. SUBSAMPLE DRY WEIGHT (gm)	1410	1410	1410
21. SPECIFICITY (gpc.)			
22. REMARKS (Liquidity)	Med.	Med.	Med.
23. REMARKS (Liquidity)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:	Items 11-26 determined in the lab		

Sediment type	Silty Mud
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1. SAMPLE NUMBER	66-190-1	5. SAMPLER TYPE	KOLLEBERG
2. LATITUDE	44° 23' 31"	6. WATER DEPTH (m.)	9.2
3. LONGITUDE	68° 57'	7. CORE LENGTH (m.)	107
4. DATE (Day, month, year)	8 OCT. 1959	8. CORE PENETRATION (m.)	156
5. LABORATORY NUMBERS	3605 *	9. LABORATORY NUMBER	3607 *
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	13-15
11. COLOR	DARK GREENISH GRAY 5Y 4/1	11. COLOR	OLIVE GRAY 5Y 4/1
12. DOOR		12. DOOR	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. FIDUCIAL (cm)		14. FIDUCIAL (cm)	
15. MAXIMUM PRESSURE (g)		15. MAXIMUM PRESSURE (g)	
16. MINIMUM PRESSURE (g)		16. MINIMUM PRESSURE (g)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. -2 ₅ (%)	0 ₅	a. -2 ₅ (%)	0 ₅
b. -2 ₅ to +1 ₅ (%)	5 ₅	b. -2 ₅ to +1 ₅ (%)	5 ₅
c. +1 ₅ to 0 ₅ (%)	MC 893	c. +1 ₅ to 0 ₅ (%)	MC 894
d. 0 ₅ to 1 ₅ (%)	0 ₅ 7.2	d. 0 ₅ to 1 ₅ (%)	0 ₅ 7.2
e. 1 ₅ to 2 ₅ (%)	1	e. 1 ₅ to 2 ₅ (%)	1
f. 2 ₅ to 3 ₅ (%)	1	f. 2 ₅ to 3 ₅ (%)	1
g. 3 ₅ to 4 ₅ (%)		g. 3 ₅ to 4 ₅ (%)	
h. 4 ₅ to 5 ₅ (%)	9	h. 4 ₅ to 5 ₅ (%)	9
i. 5 ₅ to 6 ₅ (%)	41	i. 5 ₅ to 6 ₅ (%)	41
j. 6 ₅ to 7 ₅ (%)	49	j. 6 ₅ to 7 ₅ (%)	49
k. 7 ₅ to 8 ₅ (%)	1790	k. 7 ₅ to 8 ₅ (%)	1790
20. SUBSAMPLE DRY WEIGHT (gm)		20. SUBSAMPLE DRY WEIGHT (gm)	
21. SPECIFIC (W ₅₀)		21. SPECIFIC (W ₅₀)	
22. PLASTICITY	High	22. PLASTICITY	High
23. LIQUIDITY	0	23. LIQUIDITY	0
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB.	27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB.
	NONE OF THE DARK AREAS PROBABLY DUE TO ORGANIC MATERIAL GREEN STICKY MUD WITH PIECES OF WOOD FOUND BETWEEN 51 AND 53 INCHES LAST THREE INCHES DARKER AND SOFTER.		NONE OF THE DARK AREAS PROBABLY DUE TO ORGANIC MATERIAL GREEN STICKY MUD WITH PIECES OF WOOD FOUND BETWEEN 51 AND 53 INCHES LAST THREE INCHES DARKER AND SOFTER.
SEDIMENT TYPE	CLAYEY SILT	SEDIMENT TYPE	CLAYEY SILT

1. SAMPLE NUMBER	66-198-1	5. SAMPLER TYPE	CONTINUED
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
5. LABORATORY NUMBERS	3609	9. LABORATORY NUMBER	3611
10. SUBSAMPLE DEPTH IN CORE (m.)	24-26	10. SUBSAMPLE DEPTH IN CORE (m.)	49-51
11. COLOR	PALE BROWN OLIVE GRAY	11. COLOR	DARK GREENISH OLIVE GRAY
12. DOOR		12. DOOR	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. FIDUCIAL (cm)		14. FIDUCIAL (cm)	
15. MAXIMUM PRESSURE (g)		15. MAXIMUM PRESSURE (g)	
16. MINIMUM PRESSURE (g)		16. MINIMUM PRESSURE (g)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. -2 ₅ (%)	0 ₅	a. -2 ₅ (%)	0 ₅
b. -2 ₅ to +1 ₅ (%)	5 ₅	b. -2 ₅ to +1 ₅ (%)	5 ₅
c. +1 ₅ to 0 ₅ (%)	MC 900	c. +1 ₅ to 0 ₅ (%)	MC 893
d. 0 ₅ to 1 ₅ (%)	0 ₅ 7.2	d. 0 ₅ to 1 ₅ (%)	0 ₅ 7.2
e. 1 ₅ to 2 ₅ (%)	1	e. 1 ₅ to 2 ₅ (%)	1
f. 2 ₅ to 3 ₅ (%)	1	f. 2 ₅ to 3 ₅ (%)	1
g. 3 ₅ to 4 ₅ (%)		g. 3 ₅ to 4 ₅ (%)	
h. 4 ₅ to 5 ₅ (%)	10	h. 4 ₅ to 5 ₅ (%)	10
i. 5 ₅ to 6 ₅ (%)	39	i. 5 ₅ to 6 ₅ (%)	39
j. 6 ₅ to 7 ₅ (%)	51	j. 6 ₅ to 7 ₅ (%)	51
k. 7 ₅ to 8 ₅ (%)	14.42	k. 7 ₅ to 8 ₅ (%)	14.42
20. SUBSAMPLE DRY WEIGHT (gm)		20. SUBSAMPLE DRY WEIGHT (gm)	
21. SPECIFIC (W ₅₀)		21. SPECIFIC (W ₅₀)	
22. PLASTICITY	High	22. PLASTICITY	High
23. LIQUIDITY	0	23. LIQUIDITY	0
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	
SEDIMENT TYPE	SILTY CLAY	SEDIMENT TYPE	SILTY CLAY

1. SAMPLE NUMBER	65-198-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE			5. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE (day, month, year)			8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3613	3614	3615	*
10. SUBSAMPLE DEPTH IN CORE (m.)	72-74	94-96	102-107	
11. LABORATORY NAME(S)	SY 4	SY 41	SY 41	
12. CORE				
13. NET DENSITY (lb./ft ³)				
14. RICHNESS (m)				
15. WEATHER PROSPECT (S)				
16. WEATHER PROSPECT (S)				
17. WATER CONTENT (S)				
18. ORGANIC CARBON CONTENT (S)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
20. SUBSAMPLE DRY WEIGHT (m)	15.50	17.99	15.90	
21. SPECIFICITY (m)				
22. SUBSAMPLE (m)	High	High	High	
23. SUBSAMPLE (m)	41%	41%	41%	
24. DOMINANT MINERAL (S)				
25. SECONDARY MINERAL (S)				
26. OTHER MINERALS (S)				
27. REMARKS:	* Dark brown streaks.			

SEMI-WEIGHT	TYPE	SILTY CLAY	CLAYE SILT	SILT CLAY
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1. SAMPLE NUMBER	66-199-1		5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44°	05° N	5. WATER DEPTH (m.)	0.3
3. LONGITUDE	68°	57° 19' W	7. CORE LENGTH (m.)	114
4. DATE (day, month, year)			8. CORE PENETRATION (m.)	156
9. LABORATORY NUMBERS	800-taken	1959	3827	3828
10. SUBSAMPLE DEPTH IN CORE (m.)			88-94	46-48
11. LABORATORY NAME(S)				
12. CORE	Olive Gray	Olive Gray	Olive Gray	Olive Gray
13. NET DENSITY (lb./ft ³)	519.2	519.1	519.1	519.1
14. RICHNESS (m)				
15. WEATHER PROSPECT (S)				
16. WEATHER PROSPECT (S)				
17. WATER CONTENT (S)				
18. ORGANIC CARBON CONTENT (S)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
20. SUBSAMPLE DRY WEIGHT (m)	3	3	3	3
21. SPECIFICITY (m)				
22. SUBSAMPLE (m)	8.81	8.81	8.81	8.81
23. SUBSAMPLE (m)	0.730	0.730	0.730	0.730
24. DOMINANT MINERAL (S)				
25. SECONDARY MINERAL (S)				
26. OTHER MINERALS (S)				
27. REMARKS:	Items 11-16 determined in the lab			

The first 17 inches and the last 2 inches contained dark streaks
color change at 98"

SEMI-WEIGHT	TYPE	CLAYE SILT	CLAYE SILT	CLAYE SILT
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1. SAMPLE NUMBER	66-492-1 continued	5. SAMPLER TYPE	
2. LATITUDE	44° 24' N	6. WATER DEPTH (m.)	7.0
3. LONGITUDE	68° 57' W	7. CORE LENGTH (m.)	12.9
4. DATE (day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	15.6
9. LABORATORY NUMBERS	3873		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	Grayish Olive Green 5B4.2		
12. DOOR			
13. NET DENSITY (lb./ft ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. $\bar{x} \pm \sigma_x$ (s)			
b. $\bar{x} \pm \sigma_x$ to $-\bar{x}$ (s)			
c. $-\bar{x}$ to σ_x (s)			
d. σ_x to $+\bar{x}$ (s)			
e. \bar{x} to $2\sigma_x$ (s)			
f. $2\sigma_x$ to $3\sigma_x$ (s)			
g. $3\sigma_x$ to $4\sigma_x$ (s)			
h. $4\sigma_x$ to $5\sigma_x$ (s)			
i. $5\sigma_x$ to $6\sigma_x$ (s)			
j. $6\sigma_x$ (s)			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPHERICITY (avg)			
22. MINIMUM TEMPERATURE Plasticity			
23. MINIMUM TEMPERATURE Shell			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

Sediment type Clayey silt

1. SAMPLE NUMBER	66-200-1	5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44° 24' N	6. WATER DEPTH (m.)	7.0
3. LONGITUDE	68° 57' W	7. CORE LENGTH (m.)	12.9
4. DATE (day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	15.6
9. LABORATORY NUMBERS	3873		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	Gray Green (5Y 4/2)		
12. DOOR			
13. NET DENSITY (lb./ft ³)			
14. RIGIDNESS (cm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
a. $\bar{x} \pm \sigma_x$ (s)			
b. $\bar{x} \pm \sigma_x$ to $-\bar{x}$ (s)			
c. $-\bar{x}$ to σ_x (s)			
d. σ_x to $+\bar{x}$ (s)			
e. \bar{x} to $2\sigma_x$ (s)			
f. $2\sigma_x$ to $3\sigma_x$ (s)			
g. $3\sigma_x$ to $4\sigma_x$ (s)			
h. $4\sigma_x$ to $5\sigma_x$ (s)			
i. $5\sigma_x$ to $6\sigma_x$ (s)			
j. $6\sigma_x$ (s)			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPHERICITY (avg)			
22. MINIMUM TEMPERATURE Plasticity			
23. MINIMUM TEMPERATURE Shell			
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			

TIPS 11-26 DETERMINED IN THE LAB.
THE CORE CONTAINED A BLACK MINERAL (MICROBIAL ORIGIN) AT 27 INCHES AND SOME WOODY MINERAL AT 46 INCHES. SHELL SCATTERED THROUGHOUT CORE.

Sediment type Clayey silt

1. SAMPLE NUMBER	66-201-1: CONTINUED	5. SAMPLER TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		6. CORE LENGTH (m.)	
4. DATE (Day, month, year)		7. CORE PENETRATION (m.)	
8. LABORATORY NUMBERS	3876	8. LABORATORY NUMBERS	3877
9. SUBSAMPLE DEPTH IN CORE (In.)	9 1/2 - 12 1/2	9. SUBSAMPLE DEPTH IN CORE (In.)	
10. COLOR	Dark Greenish Gray (5.6 Y 4.5)	10. COLOR	Dark Greenish Gray (5.6 Y 4.5)
11. COLOR	Foul	11. COLOR	
12. DGR		12. DGR	
13. MET DENSITY (lb./ft ³)		13. MET DENSITY (lb./ft ³)	
14. RESISTANCE (cm)		14. RESISTANCE (cm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. -2 ₅ (%)	0.5	a. -2 ₅ (%)	0.5
b. -2 ₅ to -1 ₀ (%)	5.5	b. -2 ₅ to -1 ₀ (%)	5.5
c. -1 ₀ to 0 ₁ (%)	87.6	c. -1 ₀ to 0 ₁ (%)	87.6
d. 0 ₁ to 1 ₀ (%)	0.1	d. 0 ₁ to 1 ₀ (%)	0.1
e. 1 ₀ to 2 ₅ (%)	0.1	e. 1 ₀ to 2 ₅ (%)	0.1
f. 2 ₅ to 3 ₀ (%)		f. 2 ₅ to 3 ₀ (%)	
g. 3 ₀ to 4 ₀ (%)	8	g. 3 ₀ to 4 ₀ (%)	8
h. 4 ₀ to 5 ₀ (%)	45	h. 4 ₀ to 5 ₀ (%)	45
i. 5 ₀ to 6 ₀ (%)	46	i. 5 ₀ to 6 ₀ (%)	46
j. 6 ₀ to 7 ₀ (%)	25.62	j. 6 ₀ to 7 ₀ (%)	25.62
20. SUBSAMPLE DRY WEIGHT (gm)		20. SUBSAMPLE DRY WEIGHT (gm)	
21. SPECIFIC GRAVITY		21. SPECIFIC GRAVITY	
22. PLASTICITY (mm)	High	22. PLASTICITY (mm)	High
23. SHREDDING-TESTING-TEST (mm)	0	23. SHREDDING-TESTING-TEST (mm)	0
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

SEDIMENT TYPE CLAYEY SILT CLAYEY SILT

1. SAMPLE NUMBER	66-201-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 25'	5. WATER DEPTH (m.)	60
3. LONGITUDE	57° 09' W	6. CORE LENGTH (m.)	68
4. DATE (Day, month, year)	8 October 1959	7. CORE PENETRATION (m.)	72
8. LABORATORY NUMBERS	3513	8. LABORATORY NUMBERS	3514
9. SUBSAMPLE DEPTH IN CORE (In.)	0-3	9. SUBSAMPLE DEPTH IN CORE (In.)	3-5
10. COLOR	OLIVE GRAY (5 Y 4.1)	10. COLOR	OLIVE GRAY (5 Y 4.1)
11. COLOR		11. COLOR	OLIVE GRAY (5 Y 4.1)
12. DGR		12. DGR	
13. MET DENSITY (lb./ft ³)		13. MET DENSITY (lb./ft ³)	
14. RESISTANCE (cm)		14. RESISTANCE (cm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. -2 ₅ (%)	2	a. -2 ₅ (%)	4
b. -2 ₅ to -1 ₀ (%)	2	b. -2 ₅ to -1 ₀ (%)	3
c. -1 ₀ to 0 ₁ (%)	1	c. -1 ₀ to 0 ₁ (%)	3
d. 0 ₁ to 1 ₀ (%)	2	d. 0 ₁ to 1 ₀ (%)	3
e. 1 ₀ to 2 ₅ (%)	2	e. 1 ₀ to 2 ₅ (%)	3
f. 2 ₅ to 3 ₀ (%)	3	f. 2 ₅ to 3 ₀ (%)	4
g. 3 ₀ to 4 ₀ (%)	2	g. 3 ₀ to 4 ₀ (%)	3
h. 4 ₀ to 5 ₀ (%)	8	h. 4 ₀ to 5 ₀ (%)	7
i. 5 ₀ to 6 ₀ (%)	40	i. 5 ₀ to 6 ₀ (%)	36
j. 6 ₀ to 7 ₀ (%)	38	j. 6 ₀ to 7 ₀ (%)	35
20. SUBSAMPLE DRY WEIGHT (gm)		20. SUBSAMPLE DRY WEIGHT (gm)	
21. SPECIFIC GRAVITY		21. SPECIFIC GRAVITY	
22. PLASTICITY (mm)	Med.	22. PLASTICITY (mm)	Med.
23. SHREDDING-TESTING-TEST (mm)	0	23. SHREDDING-TESTING-TEST (mm)	0
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

ITEMS 11-26 DETERMINED IN THE LAB.
0-3" clayey silt, high water content.
3 1/2" sandy silt + clay layer of greenish silt + pebbles at 20 1/2 - 21"

SEDIMENT TYPE CLAYEY SILT SILTY MUD SANDY MUD SILTY MUD

1. SAMPLE NUMBER	66-201-1 CONTINUED	2. LATITUDE	44° 22' N	3. LONGITUDE	68° 55' W	4. DATE	8 October 1959	5. SAMPLE TYPE	Kullenberg
6. WATER DEPTH (m.)	16.9	7. CORE LENGTH (m.)	121	8. CORE NUMBER	144	9. LABORATORY NUMBERS	4048	10. LABORATORY RESULTS	4048
11. COLOR	Olive Gray	12. WEIGHT (lb./ft ³)	12.14	13. WET DENSITY (lb./ft ³)	12.14	14. PLASTICITY (%)	0-2	15. NATURAL POROSITY (%)	40.49
16. MINIMUM POROSITY (%)	40.49	17. WATER CONTENT (%)	51.41	18. ORGANIC CARBON CONTENT (%)	51.41	19. SIZE ANALYSIS AND STATISTICAL MEASURES	51.41	20. REMARKS	Olive Gray
21. REMARKS	Dark streaks in the first 5 inches.								
22. REMARKS	Dark streaks in the first 5 inches.								
23. REMARKS	Dark streaks in the first 5 inches.								
24. REMARKS	Dark streaks in the first 5 inches.								
25. REMARKS	Dark streaks in the first 5 inches.								
26. REMARKS	Dark streaks in the first 5 inches.								
27. REMARKS	Dark streaks in the first 5 inches.								
28. REMARKS	Dark streaks in the first 5 inches.								
29. REMARKS	Dark streaks in the first 5 inches.								
30. REMARKS	Dark streaks in the first 5 inches.								
31. REMARKS	Dark streaks in the first 5 inches.								
32. REMARKS	Dark streaks in the first 5 inches.								
33. REMARKS	Dark streaks in the first 5 inches.								
34. REMARKS	Dark streaks in the first 5 inches.								
35. REMARKS	Dark streaks in the first 5 inches.								
36. REMARKS	Dark streaks in the first 5 inches.								
37. REMARKS	Dark streaks in the first 5 inches.								
38. REMARKS	Dark streaks in the first 5 inches.								
39. REMARKS	Dark streaks in the first 5 inches.								
40. REMARKS	Dark streaks in the first 5 inches.								
41. REMARKS	Dark streaks in the first 5 inches.								
42. REMARKS	Dark streaks in the first 5 inches.								
43. REMARKS	Dark streaks in the first 5 inches.								
44. REMARKS	Dark streaks in the first 5 inches.								
45. REMARKS	Dark streaks in the first 5 inches.								
46. REMARKS	Dark streaks in the first 5 inches.								
47. REMARKS	Dark streaks in the first 5 inches.								
48. REMARKS	Dark streaks in the first 5 inches.								
49. REMARKS	Dark streaks in the first 5 inches.								
50. REMARKS	Dark streaks in the first 5 inches.								
51. REMARKS	Dark streaks in the first 5 inches.								
52. REMARKS	Dark streaks in the first 5 inches.								
53. REMARKS	Dark streaks in the first 5 inches.								
54. REMARKS	Dark streaks in the first 5 inches.								
55. REMARKS	Dark streaks in the first 5 inches.								
56. REMARKS	Dark streaks in the first 5 inches.								
57. REMARKS	Dark streaks in the first 5 inches.								
58. REMARKS	Dark streaks in the first 5 inches.								
59. REMARKS	Dark streaks in the first 5 inches.								
60. REMARKS	Dark streaks in the first 5 inches.								
61. REMARKS	Dark streaks in the first 5 inches.								
62. REMARKS	Dark streaks in the first 5 inches.								
63. REMARKS	Dark streaks in the first 5 inches.								
64. REMARKS	Dark streaks in the first 5 inches.								
65. REMARKS	Dark streaks in the first 5 inches.								
66. REMARKS	Dark streaks in the first 5 inches.								
67. REMARKS	Dark streaks in the first 5 inches.								
68. REMARKS	Dark streaks in the first 5 inches.								
69. REMARKS	Dark streaks in the first 5 inches.								
70. REMARKS	Dark streaks in the first 5 inches.								
71. REMARKS	Dark streaks in the first 5 inches.								
72. REMARKS	Dark streaks in the first 5 inches.								
73. REMARKS	Dark streaks in the first 5 inches.								
74. REMARKS	Dark streaks in the first 5 inches.								
75. REMARKS	Dark streaks in the first 5 inches.								
76. REMARKS	Dark streaks in the first 5 inches.								
77. REMARKS	Dark streaks in the first 5 inches.								
78. REMARKS	Dark streaks in the first 5 inches.								
79. REMARKS	Dark streaks in the first 5 inches.								
80. REMARKS	Dark streaks in the first 5 inches.								
81. REMARKS	Dark streaks in the first 5 inches.								
82. REMARKS	Dark streaks in the first 5 inches.								
83. REMARKS	Dark streaks in the first 5 inches.								
84. REMARKS	Dark streaks in the first 5 inches.								
85. REMARKS	Dark streaks in the first 5 inches.								
86. REMARKS	Dark streaks in the first 5 inches.								
87. REMARKS	Dark streaks in the first 5 inches.								
88. REMARKS	Dark streaks in the first 5 inches.								
89. REMARKS	Dark streaks in the first 5 inches.								
90. REMARKS	Dark streaks in the first 5 inches.								
91. REMARKS	Dark streaks in the first 5 inches.								
92. REMARKS	Dark streaks in the first 5 inches.								
93. REMARKS	Dark streaks in the first 5 inches.								
94. REMARKS	Dark streaks in the first 5 inches.								
95. REMARKS	Dark streaks in the first 5 inches.								
96. REMARKS	Dark streaks in the first 5 inches.								
97. REMARKS	Dark streaks in the first 5 inches.								
98. REMARKS	Dark streaks in the first 5 inches.								
99. REMARKS	Dark streaks in the first 5 inches.								
100. REMARKS	Dark streaks in the first 5 inches.								

1. SAMPLE NUMBER	50-202-1 continued	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	4152	4053	4055
10. SUBSAMPLER DEPTH IN CORE (m.)	70-72	94-96	119-121
11. COLOR	Olive Gray 514/1	Olive Gray 514/1	Olive Gray 514/1
12. ODR			
13. WET DENSITY (kg./cc)			
14. RESIDUE (%)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLER DRY WEIGHT (g)	6.88	14.04	8.85
21. SPECIFIC GRAVITY	High	High	High
22. MINIMUM POROSITY Plasticity	0	0	0
23. MINIMUM POROSITY Shell Content	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

ITEMS 11-26 DETERMINED IN THE LAB.

THE CORE CONTAINED DARK STREAMS FROM 0'-8" AND 10'-125" AND A DARK layer (1" thick) AT 97" shell scattered throughout core.

Sediment Type	Silty Clay	Clayey Silt	Clayey Silt	Clayey Silt
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1. SAMPLE NUMBER	66-203-1	5. SAMPLER TYPE	KALEMBERG
2. LATITUDE	44 23 23 N	6. WATER DEPTH (m.)	22.8
3. LONGITUDE	68 55 28 W	7. CORE LENGTH (m.)	125
4. DATE (Day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	184
9. LABORATORY NUMBERS	3567	3568	3569
10. SUBSAMPLER DEPTH IN CORE (m.)	0-2	6-8	8-10
11. COLOR	OLIVE GRAY* (5Y 4/1)	OLIVE GRAY* (5Y 4/1)	OLIVE GRAY (5Y 4/1)
12. ODR	FOUL	FOUL	
13. WET DENSITY (kg./cc)			
14. RESIDUE (%)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLER DRY WEIGHT (g)	13.63	20.21	13.22
21. SPECIFIC GRAVITY	High	High	High
22. MINIMUM POROSITY Plasticity	0	0	0
23. MINIMUM POROSITY Shell Content	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

ITEMS 11-26 DETERMINED IN THE LAB.

THE CORE CONTAINED DARK STREAMS FROM 0'-8" AND 10'-125" AND A DARK layer (1" thick) AT 97" shell scattered throughout core.

Sediment Type	Clayey Silt	Silty Clay	Silty Clay	Clayey Silt
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1. SAMPLE NUMBER	66-203-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE			6. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE (day, month, year)			8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3571	3572	3573	3574
10. SUBSAMPLE DEPTH IN CORE (m.)	66-68	68-70	70-79	97-98
11. COLOR	OLIVE GRAY (5Y 4/1)	GRAYISH OLIVE (5B 1/2)	OLIVE GRAY (5Y 4/1)	OLIVE GRAY (5Y 4/1)
12. GORE				
13. WET DENSITY (lb./ft ³)				
14. RIGIDNESS (mm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. > 2 ₀₀ (%)	10 ₀	10 ₀	10 ₀	10 ₀
b. < 2 ₀₀ to < 1 ₀₀ (%)	5 ₀	5 ₀	5 ₀	5 ₀
c. < 1 ₀₀ to < 6 ₀ (%)	4 ₀	4 ₀	4 ₀	4 ₀
d. < 6 ₀ to < 4 ₀ (%)	1 ₀	1 ₀	1 ₀	1 ₀
e. < 4 ₀ to < 2 ₀₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
f. < 2 ₀₀ to < 2 ₀₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
g. < 2 ₀₀ to < 4 ₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
h. < 4 ₀ to < 6 ₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
i. < 6 ₀ to < 1 ₀₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
j. > 9 ₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
20. SUBSAMPLE DRY WEIGHT (gm)	20.39	11.83	20.03	26.47
21. SPECIFICITY (exp.)	High	High	High	High
22. MINERALOGY (qual.)	Plasticity	Plasticity	Plasticity	Plasticity
23. MINERALOGY (quant.)	0	0	0	0
24. DOMINANT MINERAL (%)	0	0	0	0
25. SECONDARY MINERALS (%)				
26. OTHER MINERALS (%)				
27. REMARKS:	Color changes at 68', 77',			

SEDIMENT TYPE	SILTY CLAY	SILTY CLAY	SILTY CLAY	CLAYEY SILT
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1. SAMPLE NUMBER	66-203-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE			6. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE (day, month, year)			8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3575			
10. SUBSAMPLE DEPTH IN CORE (m.)	123-125			
11. COLOR	OLIVE GRAY (5Y 4/1)			
12. GORE	FOUL			
13. WET DENSITY (lb./ft ³)				
14. RIGIDNESS (mm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. > 2 ₀₀ (%)	10 ₀	10 ₀	10 ₀	10 ₀
b. < 2 ₀₀ to < 1 ₀₀ (%)	5 ₀	5 ₀	5 ₀	5 ₀
c. < 1 ₀₀ to < 6 ₀ (%)	4 ₀	4 ₀	4 ₀	4 ₀
d. < 6 ₀ to < 4 ₀ (%)	1 ₀	1 ₀	1 ₀	1 ₀
e. < 4 ₀ to < 2 ₀₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
f. < 2 ₀₀ to < 2 ₀₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
g. < 2 ₀₀ to < 4 ₀ (%)	0 ₀	0 ₀	0 ₀	0 ₀
h. < 4 ₀ to < 6 ₀ (%)	15			
i. < 6 ₀ to < 1 ₀₀ (%)	36			
j. > 9 ₀ (%)	47			
20. SUBSAMPLE DRY WEIGHT (gm)	12.57			
21. SPECIFICITY (exp.)				
22. MINERALOGY (qual.)	Plasticity			
23. MINERALOGY (quant.)	High			
24. DOMINANT MINERAL (%)	0			
25. SECONDARY MINERALS (%)				
26. OTHER MINERALS (%)				
27. REMARKS:				

SEDIMENT TYPE	CLAYEY SILT
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1. SAMPLE NUMBER	66-205-1	5. SAMPLE TYPE	Killenberg
2. LATITUDE	44° 24' N	5. WATER DEPTH (m.)	11.2
3. LONGITUDE	68° 55' W	7. CORE LENGTH (m.)	11.6
4. DATE (day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	132
5. LABORATORY NUMBERS	3844	9. LABORATORY NUMBERS	3846
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	3847
11. COLOR	Olive Gray 5341	11. COLOR	Dark Greenish Gray 5343/2
12. 0004		12. 0004	
13. WET DENSITY (lb./ft. ³)		13. WET DENSITY (lb./ft. ³)	
14. RIGIDITY (mm)		14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	00 _φ	a. < -2 _φ (%)	00 _φ
b. -2 _φ to -1 _φ (%)	58 _φ	b. -2 _φ to -1 _φ (%)	58 _φ
c. -1 _φ to 0 _φ (%)	40 _φ	c. -1 _φ to 0 _φ (%)	40 _φ
d. 0 _φ to 1 _φ (%)	01 _φ	d. 0 _φ to 1 _φ (%)	01 _φ
e. 1 _φ to 2 _φ (%)	03 _φ	e. 1 _φ to 2 _φ (%)	03 _φ
f. 2 _φ to 3 _φ (%)		f. 2 _φ to 3 _φ (%)	
g. 3 _φ to 4 _φ (%)		g. 3 _φ to 4 _φ (%)	
h. 4 _φ to 5 _φ (%)	6	h. 4 _φ to 5 _φ (%)	8
i. 5 _φ to 6 _φ (%)	42	i. 5 _φ to 6 _φ (%)	44
j. > 6 _φ (%)	51	j. > 6 _φ (%)	47
20. SUBSAMPLE DRY WEIGHT (mg)	16.22	20. SUBSAMPLE DRY WEIGHT (mg)	22.76
21. SPHERICITY (avg)	High	21. SPHERICITY (avg)	High
22. SPHERICITY (avg) Plasticity	High	22. SPHERICITY (avg) Plasticity	High
23. SPHERICITY (avg) Shell Can	0	23. SPHERICITY (avg) Shell Can	< 1%
24. INSTANT MINERAL (%)		24. INSTANT MINERAL (%)	< 1%
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

Items 11-26 determined in the lab
The core contained dark streaks in the first 7 inches and the last 2 inches.
Shell scattered throughout core.
100-109. unconsolidated brown mud.

Sediment Type	Silty Clay	Clayey Silt	Clayey Silt
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1. SAMPLE NUMBER	66-205-1, continued	5. SAMPLE TYPE	
2. LATITUDE		5. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
5. LABORATORY NUMBERS	3848	9. LABORATORY NUMBERS	3849
10. SUBSAMPLE DEPTH IN CORE (m.)	00-02	10. SUBSAMPLE DEPTH IN CORE (m.)	114-116
11. COLOR	Dark Greenish Gray 5343/2	11. COLOR	Dark Greenish Gray 5343/2
12. 0004		12. 0004	
13. WET DENSITY (lb./ft. ³)		13. WET DENSITY (lb./ft. ³)	
14. RIGIDITY (mm)		14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < -2 _φ (%)	00 _φ	a. < -2 _φ (%)	00 _φ
b. -2 _φ to -1 _φ (%)	58 _φ	b. -2 _φ to -1 _φ (%)	58 _φ
c. -1 _φ to 0 _φ (%)	40 _φ	c. -1 _φ to 0 _φ (%)	40 _φ
d. 0 _φ to 1 _φ (%)	01 _φ	d. 0 _φ to 1 _φ (%)	01 _φ
e. 1 _φ to 2 _φ (%)	03 _φ	e. 1 _φ to 2 _φ (%)	03 _φ
f. 2 _φ to 3 _φ (%)		f. 2 _φ to 3 _φ (%)	
g. 3 _φ to 4 _φ (%)		g. 3 _φ to 4 _φ (%)	
h. 4 _φ to 5 _φ (%)	8	h. 4 _φ to 5 _φ (%)	8
i. 5 _φ to 6 _φ (%)	45	i. 5 _φ to 6 _φ (%)	44
j. > 6 _φ (%)	47	j. > 6 _φ (%)	49
20. SUBSAMPLE DRY WEIGHT (mg)	22.33	20. SUBSAMPLE DRY WEIGHT (mg)	20.41
21. SPHERICITY (avg)	High	21. SPHERICITY (avg)	High
22. SPHERICITY (avg) Plasticity	High	22. SPHERICITY (avg) Plasticity	High
23. SPHERICITY (avg) Shell Can	< 1%	23. SPHERICITY (avg) Shell Can	< 1%
24. INSTANT MINERAL (%)		24. INSTANT MINERAL (%)	< 1%
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

Sediment Type	Clayey Silt	Clayey Silt
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1. SAMPLE NUMBER	66-208-1	8. SAMPLER TYPE	Kullenberg
2. LATITUDE	44° 25' 18" N	9. WATER DEPTH (m.)	9.8
3. LONGITUDE	68° 55' 26" W	10. CORE LENGTH (m.)	13.2
4. DATE (Day, month, year)	8 October 1959	11. CORE PENETRATION (m.)	13.2
5. LABORATORY NUMBERS	4015	12. CORE DEPTH (m.)	4017
6. SUBSAMPLE DEPTH IN CORE (m.)	0-2	13. CORE PENETRATION (m.)	48-50
11. COLOR	Olive Gray 513/2	14. LABORATORY NUMBERS	Olive Gray 514/1
12. COLOR		15. LABORATORY NUMBERS	Olive Gray 514/1
13. WET DENSITY (lb./ft. ³)		16. LABORATORY NUMBERS	
14. RIGIDNESS (cm)		17. LABORATORY NUMBERS	
15. MAXIMUM POROSITY (%)		18. LABORATORY NUMBERS	
16. MINIMUM POROSITY (%)		19. LABORATORY NUMBERS	
17. WATER CONTENT (%)		20. LABORATORY NUMBERS	
18. ORGANIC CARBON CONTENT (%)		21. LABORATORY NUMBERS	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ to ϕ_{10} (%)	CO ₂	CO ₂	CO ₂
b. ϕ_{10} to ϕ_{20} (%)	5%	5%	5%
c. ϕ_{20} to ϕ_{30} (%)	4%	4%	4%
d. ϕ_{30} to ϕ_{40} (%)	4%	4%	4%
e. ϕ_{40} to ϕ_{50} (%)	4%	4%	4%
f. ϕ_{50} to ϕ_{60} (%)	4%	4%	4%
g. ϕ_{60} to ϕ_{70} (%)	4%	4%	4%
h. ϕ_{70} to ϕ_{80} (%)	4%	4%	4%
i. ϕ_{80} to ϕ_{90} (%)	4%	4%	4%
j. ϕ_{90} to ϕ_{100} (%)	4%	4%	4%
20. SUBSAMPLE DRY WEIGHT (gm)	10.68	21. SPECIFICITY (avg.)	High
21. SPECIFICITY (avg.)	High	22. PLASTICITY (avg.)	High
22. PLASTICITY (avg.)	High	23. SHREDDING (avg.)	High
23. SHREDDING (avg.)	High	24. DOMINANT MINERAL (%)	0
24. DOMINANT MINERAL (%)	0	25. SECONDARY MINERAL (%)	0
25. SECONDARY MINERAL (%)	0	26. OTHER MINERALS (%)	0
26. OTHER MINERALS (%)	0	27. REMARKS	Continued

REMARKS: Thomas 11-20 meter mixed in the lab. Shell scattered throughout the core. Dark streaks in the first six inches and between 34 and 37 inches. Slight changes of color at 92 and 118 inches.

Sediment Type Silty Clay Clayey Silt Silty Clay Clayey Silt

1. SAMPLE NUMBER	66-206-1 continued	8. SAMPLER TYPE	
2. LATITUDE		9. WATER DEPTH (m.)	
3. LONGITUDE		10. CORE LENGTH (m.)	
4. DATE (Day, month, year)		11. CORE PENETRATION (m.)	
5. LABORATORY NUMBERS	4019	12. CORE DEPTH (m.)	4021
6. SUBSAMPLE DEPTH IN CORE (m.)	78-79	13. CORE PENETRATION (m.)	98-98
11. COLOR	Olive Gray 514/1	14. LABORATORY NUMBERS	Olive Gray 513/2
12. COLOR		15. LABORATORY NUMBERS	Olive Gray 513/2
13. WET DENSITY (lb./ft. ³)		16. LABORATORY NUMBERS	
14. RIGIDNESS (cm)		17. LABORATORY NUMBERS	
15. MAXIMUM POROSITY (%)		18. LABORATORY NUMBERS	
16. MINIMUM POROSITY (%)		19. LABORATORY NUMBERS	
17. WATER CONTENT (%)		20. LABORATORY NUMBERS	
18. ORGANIC CARBON CONTENT (%)		21. LABORATORY NUMBERS	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ to ϕ_{10} (%)	CO ₂	CO ₂	CO ₂
b. ϕ_{10} to ϕ_{20} (%)	5%	5%	5%
c. ϕ_{20} to ϕ_{30} (%)	4%	4%	4%
d. ϕ_{30} to ϕ_{40} (%)	4%	4%	4%
e. ϕ_{40} to ϕ_{50} (%)	4%	4%	4%
f. ϕ_{50} to ϕ_{60} (%)	4%	4%	4%
g. ϕ_{60} to ϕ_{70} (%)	4%	4%	4%
h. ϕ_{70} to ϕ_{80} (%)	4%	4%	4%
i. ϕ_{80} to ϕ_{90} (%)	4%	4%	4%
j. ϕ_{90} to ϕ_{100} (%)	4%	4%	4%
20. SUBSAMPLE DRY WEIGHT (gm)	5.66	21. SPECIFICITY (avg.)	High
21. SPECIFICITY (avg.)	High	22. PLASTICITY (avg.)	High
22. PLASTICITY (avg.)	High	23. SHREDDING (avg.)	High
23. SHREDDING (avg.)	High	24. DOMINANT MINERAL (%)	0
24. DOMINANT MINERAL (%)	0	25. SECONDARY MINERAL (%)	0
25. SECONDARY MINERAL (%)	0	26. OTHER MINERALS (%)	0
26. OTHER MINERALS (%)	0	27. REMARKS	Continued

Sediment Type Silty Clay Silty Clay Silty Clay

1. SAMPLE NUMBER	66-207-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44 25	7. WATER DEPTH (m.)	9.2
3. LONGITUDE	68 53	7. CORE LENGTH (m.)	109
4. DATE (day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS	3616 *		3617
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		4-6
11. COLOR	Dark Green (5.5 Y 4/1)		Dark Green (5.5 Y 4/1)
12. OTHER			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_{-20} (%)	3	ϕ_{-20}	3
b. ϕ_{-20} to ϕ_{-40} (%)		ϕ_{-40}	3
c. ϕ_{-40} to ϕ_{-60} (%)	Md. 9.80	$Md.$	8.76
d. ϕ_{-60} to ϕ_{-80} (%)	0.1% 2.40	0.1%	7.13
e. ϕ_{-80} to ϕ_{-100} (%)	0.3%	0.3%	1
f. ϕ_{-100} to ϕ_{-200} (%)			1
g. ϕ_{-200} to ϕ_{-400} (%)			1
h. ϕ_{-400} to ϕ_{-600} (%)	7		9
i. ϕ_{-600} to ϕ_{-800} (%)	42		43
j. ϕ_{-800} to ϕ_{-1000} (%)	50		47
20. SUBSAMPLE DRY WEIGHT (gm)	16.93		17.47
21. SPECIFIC (D ₂₀)			15.51
22. PLASTICITY (D ₂₀)	High		High
23. SHRECK-TESTING-PLASTICITY (D ₂₀)	<1%		<1%
24. INFLUENT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

THE CODE CONTAINED ONE LARGE FRAME (1/8" x 1/8" x 1/8") 200-2000 AT 86", WHICH WAS ANALYZED WITH A HIGH PERCENTAGE OF PLASTIC, LOW MO, AND QUARTZ. * LABORATORY SAMPLES

SEDIMENT TYPE	Silty Clay	Clayey Silty	Clayey Silty	Silty Clay
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1. SAMPLE NUMBER	66-207-1	5. SAMPLER TYPE	CHANDLER
2. LATITUDE		7. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3620		3621
10. SUBSAMPLE DEPTH IN CORE (m.)	24-26		48-48
11. COLOR	Dark Gray (5.5 Y 4/1)		Dark Gray (5.5 Y 4/1)
12. OTHER			
13. WET DENSITY (lb./ft ³)			
14. RIGIDNESS (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. ϕ_{-20} (%)	3	ϕ_{-20}	3
b. ϕ_{-20} to ϕ_{-40} (%)		ϕ_{-40}	3
c. ϕ_{-40} to ϕ_{-60} (%)	Md. 8.06	$Md.$	8.32
d. ϕ_{-60} to ϕ_{-80} (%)	0.1% 4.45	0.1%	5.80
e. ϕ_{-80} to ϕ_{-100} (%)	0.3%	0.3%	5
f. ϕ_{-100} to ϕ_{-200} (%)	3		5
g. ϕ_{-200} to ϕ_{-400} (%)	1		2
h. ϕ_{-400} to ϕ_{-600} (%)	6		8
i. ϕ_{-600} to ϕ_{-800} (%)	32		33
j. ϕ_{-800} to ϕ_{-1000} (%)	39		41
20. SUBSAMPLE DRY WEIGHT (gm)	19.18		12.29
21. SPECIFIC (D ₂₀)			16.18
22. PLASTICITY (D ₂₀)	High		High
23. SHRECK-TESTING-PLASTICITY (D ₂₀)	>1%		>1%
24. INFLUENT MINERAL (%)			
25. SECONDARY MINERALS (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

0-6" Dark layers
0-52" silt clay, sandy at bottom
24-26" Broken shell.

SEDIMENT TYPE	Clayey Mud	Clayey Silty	Silty Clay
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SAMPLE NUMBER		66-217-1		CONTAINER	
1.	ARTIFICAL				
2.	DATE				
3.	LONGITUDE				
4.	DATE (mo., month, year)				
5.	WATER 30% (m.)				
6.	CORE LENGTH (in.)				
7.	CORE PENETRATION (in.)				
8.	DATE (mo., month, year)				
9.	WATER 30% (m.)				
10.	CORE LENGTH (in.)				
11.	CORE PENETRATION (in.)				
12.	DATE (mo., month, year)				
13.	WATER 30% (m.)				
14.	CORE LENGTH (in.)				
15.	CORE PENETRATION (in.)				
16.	DATE (mo., month, year)				
17.	WATER 30% (m.)				
18.	CORE LENGTH (in.)				
19.	CORE PENETRATION (in.)				
20.	DATE (mo., month, year)				
21.	WATER 30% (m.)				
22.	CORE LENGTH (in.)				
23.	CORE PENETRATION (in.)				
24.	DATE (mo., month, year)				
25.	WATER 30% (m.)				
26.	CORE LENGTH (in.)				
27.	CORE PENETRATION (in.)				
28.	DATE (mo., month, year)				
29.	WATER 30% (m.)				
30.	CORE LENGTH (in.)				
31.	CORE PENETRATION (in.)				
32.	DATE (mo., month, year)				
33.	WATER 30% (m.)				
34.	CORE LENGTH (in.)				
35.	CORE PENETRATION (in.)				
36.	DATE (mo., month, year)				
37.	WATER 30% (m.)				
38.	CORE LENGTH (in.)				
39.	CORE PENETRATION (in.)				
40.	DATE (mo., month, year)				
41.	WATER 30% (m.)				
42.	CORE LENGTH (in.)				
43.	CORE PENETRATION (in.)				
44.	DATE (mo., month, year)				
45.	WATER 30% (m.)				
46.	CORE LENGTH (in.)				
47.	CORE PENETRATION (in.)				
48.	DATE (mo., month, year)				
49.	WATER 30% (m.)				
50.	CORE LENGTH (in.)				
51.	CORE PENETRATION (in.)				
52.	DATE (mo., month, year)				
53.	WATER 30% (m.)				
54.	CORE LENGTH (in.)				
55.	CORE PENETRATION (in.)				
56.	DATE (mo., month, year)				
57.	WATER 30% (m.)				
58.	CORE LENGTH (in.)				
59.	CORE PENETRATION (in.)				
60.	DATE (mo., month, year)				
61.	WATER 30% (m.)				
62.	CORE LENGTH (in.)				
63.	CORE PENETRATION (in.)				
64.	DATE (mo., month, year)				
65.	WATER 30% (m.)				
66.	CORE LENGTH (in.)				
67.	CORE PENETRATION (in.)				
68.	DATE (mo., month, year)				
69.	WATER 30% (m.)				
70.	CORE LENGTH (in.)				
71.	CORE PENETRATION (in.)				
72.	DATE (mo., month, year)				
73.	WATER 30% (m.)				
74.	CORE LENGTH (in.)				
75.	CORE PENETRATION (in.)				
76.	DATE (mo., month, year)				
77.	WATER 30% (m.)				
78.	CORE LENGTH (in.)				
79.	CORE PENETRATION (in.)				
80.	DATE (mo., month, year)				
81.	WATER 30% (m.)				
82.	CORE LENGTH (in.)				
83.	CORE PENETRATION (in.)				
84.	DATE (mo., month, year)				

18. SIZE ANALYSIS AND STATISTICAL MEASURES									
a	17	102.423	10	101.312	2.33	102.384	8	102.312	
b	17	102.423	7	101.312	4	102.384	5	102.312	
c	5	102.423	7	101.312	4	102.384	5	102.312	
d	5	102.423	7	101.312	4	102.384	5	102.312	
e	6	102.423	9	101.312	6	102.384	6	102.312	
f	9	102.423	13	101.312	6	102.384	7	102.312	
g	9	102.423	11	101.312	9	102.384	7	102.312	
h	5	102.423	6	101.312	1	102.384	6	102.312	
i	9	102.423	9	101.312	18	102.384	20	102.312	
j	15	102.423	14	101.312	15	102.384	23	102.312	
k	17	102.423	14	101.312	11	102.384	15	102.312	
l	17	102.423	36.11	25.30	33.87	34.75	34.75	34.75	
m	21	102.423	Low	Low	High	High	High	High	
n	22	102.423	Low	Low	High	High	High	High	
o	23	102.423	< 1%	< 1%	0	0	0	0	
p	24	102.423	< 1%	< 1%	0	0	0	0	
q	25	102.423	< 1%	< 1%	0	0	0	0	
r	26	102.423	< 1%	< 1%	0	0	0	0	
s	27	102.423	< 1%	< 1%	0	0	0	0	
t	28	102.423	< 1%	< 1%	0	0	0	0	
u	29	102.423	< 1%	< 1%	0	0	0	0	
v	30	102.423	< 1%	< 1%	0	0	0	0	
w	31	102.423	< 1%	< 1%	0	0	0	0	
x	32	102.423	< 1%	< 1%	0	0	0	0	
y	33	102.423	< 1%	< 1%	0	0	0	0	
z	34	102.423	< 1%	< 1%	0	0	0	0	
aa	35	102.423	< 1%	< 1%	0	0	0	0	
ab	36	102.423	< 1%	< 1%	0	0	0	0	
ac	37	102.423	< 1%	< 1%	0	0	0	0	
ad	38	102.423	< 1%	< 1%	0	0	0	0	
ae	39	102.423	< 1%	< 1%	0	0	0	0	
af	40	102.423	< 1%	< 1%	0	0	0	0	
ag	41	102.423	< 1%	< 1%	0	0	0	0	
ah	42	102.423	< 1%	< 1%	0	0	0	0	
ai	43	102.423	< 1%	< 1%	0	0	0	0	
aj	44	102.423	< 1%	< 1%	0	0	0	0	
ak	45	102.423	< 1%	< 1%	0	0	0	0	
al	46	102.423	< 1%	< 1%	0	0	0	0	
am	47	102.423	< 1%	< 1%	0	0	0	0	
an	48	102.423	< 1%	< 1%	0	0	0	0	
ao	49	102.423	< 1%	< 1%	0	0	0	0	
ap	50	102.423	< 1%	< 1%	0	0	0	0	
aq	51	102.423	< 1%	< 1%	0	0	0	0	
ar	52	102.423	< 1%	< 1%	0	0	0	0	
as	53	102.423	< 1%	< 1%	0	0	0	0	
at	54	102.423	< 1%	< 1%	0	0	0	0	
au	55	102.423	< 1%	< 1%	0	0	0	0	
av	56	102.423	< 1%	< 1%	0	0	0	0	
aw	57	102.423	< 1%	< 1%	0	0	0	0	
ax	58	102.423	< 1%	< 1%	0	0	0	0	
ay	59	102.423	< 1%	< 1%	0	0	0	0	
az	60	102.423	< 1%	< 1%	0	0	0	0	
ba	61	102.423	< 1%	< 1%	0	0	0	0	
bb	62	102.423	< 1%	< 1%	0	0	0	0	
bc	63	102.423	< 1%	< 1%	0	0	0	0	
bd	64	102.423	< 1%	< 1%	0	0	0	0	
be	65	102.423	< 1%	< 1%	0	0	0	0	
bf	66	102.423	< 1%	< 1%	0	0	0	0	
bg	67	102.423	< 1%	< 1%	0	0	0	0	
bh	68	102.423	< 1%	< 1%	0	0	0	0	
bi	69	102.423	< 1%	< 1%	0	0	0	0	
bj	70	102.423	< 1%	< 1%	0	0	0	0	
bk	71	102.423	< 1%	< 1%	0	0	0	0	
bl	72	102.423	< 1%	< 1%	0	0	0	0	
bm	73	102.423	< 1%	< 1%	0	0	0	0	
bn	74	102.423	< 1%	< 1%	0	0	0	0	
bo	75	102.423	< 1%	< 1%	0	0	0	0	
bp	76	102.423	< 1%	< 1%	0	0	0	0	
bq	77	102.423	< 1%	< 1%	0	0	0	0	
br	78	102.423	< 1%	< 1%	0	0	0	0	
bs	79	102.423	< 1%	< 1%	0	0	0	0	
bt	80	102.423	< 1%	< 1%	0	0	0	0	
bu	81	102.423	< 1%	< 1%	0	0	0	0	
bv	82	102.423	< 1%	< 1%	0	0	0	0	
bw	83	102.423	< 1%	< 1%	0	0	0	0	
bx	84	102.423	< 1%	< 1%	0	0	0	0	
by	85	102.423	< 1%	< 1%	0	0	0	0	
bz	86	102.423	< 1%	< 1%	0	0	0	0	
ca	87	102.423	< 1%	< 1%	0	0	0	0	
cb	88	102.423	< 1%	< 1%	0	0	0	0	
cc	89	102.423	< 1%	< 1%	0	0	0	0	
cd	90	102.423	< 1%	< 1%	0	0	0	0	
ce	91	102.423	< 1%	< 1%	0	0	0	0	
cf	92	102.423	< 1%	< 1%	0	0	0	0	
cg	93	102.423	< 1%	< 1%	0	0	0	0	
ch	94	102.423	< 1%	< 1%	0	0	0	0	
ci	95	102.423	< 1%	< 1%	0	0	0	0	
cj	96	102.423	< 1%	< 1%	0	0	0	0	
ck	97	102.423	< 1%	< 1%	0	0	0	0	
cl	98	102.423	< 1%	< 1%	0	0	0	0	
cm	99	102.423	< 1%	< 1%	0	0	0	0	
cn	100	102.423	< 1%	< 1%	0	0	0	0	
co	101	102.423	< 1%	< 1%	0	0	0	0	
cp	102	102.423	< 1%	< 1%	0	0	0	0	
cq	103	102.423	< 1%	< 1%	0	0	0	0	
cr	104	102.423	< 1%	< 1%	0	0	0	0	
cs	105	102.423	< 1%	< 1%	0	0	0	0	
ct	106	102.423	< 1%	< 1%	0	0	0	0	
cu	107	102.423	< 1%	< 1%	0	0	0	0	
cv	108	102.423	< 1%	< 1%	0	0	0	0	
cw	109	102.423	< 1%	< 1%	0	0	0	0	
cx	110	102.423	< 1%	< 1%	0	0	0	0	
cy	111	102.423	< 1%	< 1%	0	0	0	0	
cz	112	102.423	< 1%	< 1%	0	0	0	0	
da	113	102.423	< 1%	< 1%	0	0	0	0	
db	114	102.423	< 1%	< 1%	0	0	0	0	
dc	115	102.423	< 1%	< 1%	0	0	0	0	
dd	116	102.423	< 1%	< 1%	0	0	0	0	
de	117	102.423	< 1%	< 1%	0	0	0	0	
df	118	102.423	< 1%	< 1%	0	0	0	0	
dg	119	102.423	< 1%	< 1%	0	0	0	0	
dh	120	102.423	< 1%	< 1%	0	0	0	0	
di	121	102.423	< 1%	< 1%	0	0	0	0	
dj	122	102.423	< 1%	< 1%	0	0	0	0	
dk	123	102.423	< 1%	< 1%	0	0	0	0	
dl	124	102.423	< 1%	< 1%	0	0	0	0	
dm	125	102.423	< 1%	< 1%	0	0	0	0	
dn	126	102.423	< 1%	< 1%	0	0	0	0	
do	127	102.423	< 1%	< 1%	0	0			

52-75" Silty sand, shell
75-109" Silty sand, dark layers 107-109"
75-87 Sand - sticky

7	T-1	SANDY MUD w/ sh. pebbles	SILTY SAND w/ sh. pebbles	SANDY SILT w/ sh. pebbles
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1. SAMPLE NUMBER	66-207-1	CONTINUED	5. SAMPLER TYPE	
2. LATITUDE			5. WATER DEPTH (m.)	
3. LONGITUDE			7. CORE LENGTH (m.)	
4. DATE (Day, month, year)			8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3628	3629	3630	
10. SUBSAMPLE DEPTH IN CORE (m.)	89.5-87	87-89	107-109	
11. CORE	Quartz Gravel (5 Y 4/1)	Quartz Gravel (5 Y 4/1)	Quartz Gravel (5 Y 4/1)	
12. COLOR				
13. WET DENSITY (lb./ft. ³)				
14. RIGIDITY (mm)				
15. MAXIMUM PRESSURE (psi)				
16. MINIMUM PRESSURE (psi)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SITE ANALYSIS AND STATISTICAL MEASURES				
a. $r = 2.5$ (5)	4	η_{50} 3.11	27	η_{50} 5.53
b. -2σ to $+2\sigma$ (s)	4	S_{1-2} -0.33	4	S_{1-2} -1.50
c. -1σ to 0 (s)	4	M_{1-2} 5.71	3	M_{1-2} 4.85
d. 0 to $+1\sigma$ (s)	5	S_{1-2} 2.27	4	S_{1-2} 2.17
e. 1σ to $+2\sigma$ (s)	6	η_{50} 8.50	4	η_{50} 8.87
f. 2σ to 3σ (s)	7		4	
g. 3σ to 4σ (s)	5		2	
h. 4σ to 5σ (s)	18		6	
i. 5σ to 6σ (s)	26		22	
j. 6σ to 7σ (s)	22		24	
k. 7σ to 8σ (s)	22		24	
20. SUBSAMPLE DRY WEIGHT (mg)	1940	2223	2316	
21. SPECIFICITY (avg.)				
22. MINERALOGY	Med.	Med.	Med.	
23. DOMINANT MINERAL (%)	0	0	0	
24. SECONDARY MINERAL (%)				
25. OTHER MINERALS (%)				
26. REMARKS:				

SEDIMENT TYPE		SILTY AND WITH 2% PERLES	SILTY AND WITH 13% PERLES
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1. SAMPLE NUMBER	66-208-1	Killenberg
2. LATITUDE	44 24 06 N	
3. LONGITUDE	68 53 35 W	185
4. DATE (Day, month, year)	8 October 1939	186
5. LABORATORY NUMBERS	3810	3812
6. SUBSAMPLE DEPTH IN CORE (in.)	0-2	50-82
7. COLOR	Olive Gray 53412	Yellowish Gray 53411
8. OTHER		
9. WET DENSITY (lb./ft ³)		
10. RIGIDITY (mm)		
11. MAXIMUM POROSITY (%)		
12. MINIMUM POROSITY (%)		
13. WATER CONTENT (%)		
14. ORGANIC CARBON CONTENT (%)		
15. SIZE ANALYSIS AND STATISTICAL MEASURES		
a. < -2 _φ (%)	2	02 _φ
b. -2 _φ to -1 _φ (%)	2	3 _φ
c. -1 _φ to 0 _φ (%)	2	M _φ 8.93
d. 0 _φ to 1 _φ (%)	3	01 _φ 7.34
e. 1 _φ to 2 _φ (%)	3	02 _φ
f. 2 _φ to 3 _φ (%)	3	03 _φ
g. 3 _φ to 4 _φ (%)	2	
h. 4 _φ to 5 _φ (%)	10	8
i. 5 _φ to 6 _φ (%)	34	42
j. > 6 _φ (%)	39	49
20. SUBSAMPLE DRY WEIGHT (gm)	23.17	29.44
21. SPECIFICITY (mg.)		
22. PLASTICITY	High	High
23. SHRECK-REAGAN-LOAN SHELL Cn.	0	0
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: Items 11-26 determined in the lab		

The core contained numerous granules and pebbles between 50 and 82 inches. The first 6 inches contained dark streaks.

1. SAMPLE NUMBER	66-208-1 continued	
2. LATITUDE		
3. LONGITUDE		
4. DATE (Day, month, year)		
5. LABORATORY NUMBERS	3814	3816
6. SUBSAMPLE DEPTH IN CORE (in.)	52-84	88-92
7. COLOR	Olive Gray 53414	Olive Gray 53415
8. OTHER	Medium Yellowish Gray 53413	Medium Yellowish Gray 53411
9. WET DENSITY (lb./ft ³)		
10. RIGIDITY (mm)		
11. MAXIMUM POROSITY (%)		
12. MINIMUM POROSITY (%)		
13. WATER CONTENT (%)		
14. ORGANIC CARBON CONTENT (%)		
15. SIZE ANALYSIS AND STATISTICAL MEASURES		
a. < -2 _φ (%)	9	38
b. -2 _φ to -1 _φ (%)	1	3 _φ
c. -1 _φ to 0 _φ (%)	2	M _φ 7.28
d. 0 _φ to 1 _φ (%)	4	01 _φ
e. 1 _φ to 2 _φ (%)	5	03 _φ
f. 2 _φ to 3 _φ (%)	4	04 _φ
g. 3 _φ to 4 _φ (%)	2	
h. 4 _φ to 5 _φ (%)	11	6
i. 5 _φ to 6 _φ (%)	31	27
j. > 6 _φ (%)	31	22
20. SUBSAMPLE DRY WEIGHT (gm)	39.50	37.76
21. SPECIFICITY (mg.)	High	High
22. PLASTICITY	0	0
23. SHRECK-REAGAN-LOAN SHELL Cn.	0	0
24. DOMINANT MINERAL (%)		
25. SECONDARY MINERAL (%)		
26. OTHER MINERALS (%)		
27. REMARKS: 0-82" clayey silt w/ 0.5" black layers. silt color changes at 9" & 50" pebbles becoming numerous at 50"		

Sediment Type Clayey Silt w/ 0.5" black pebbles

Sediment Type Clayey Silt w/ 0.5" black pebbles

1. SAMPLE NUMBER	66-106-1 continued	5. SAMPLER TYPE	
2. LATITUDE	44° 23' N	6. WATER DEPTH (m.)	
3. LONGITUDE	68° 53' W	7. CORE LENGTH (m.)	
4. DATE (day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	60
9. LABORATORY NUMBERS	3493		
10. SUBSAMPLE DEPTH IN CORE (m.)	101-104		
11. COLOR	Olive Gray 5Y4/1		
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. WATSHAM PROSITY (%)			
16. WATSHAM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	14	0 ₅	
b. < 2 ₅ to < 1 ₅ (%)	1	54 ₅	
c. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
d. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
e. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
f. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
g. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
h. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
i. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
j. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
k. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
l. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
m. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
n. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
o. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
p. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
q. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
r. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
s. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
t. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
u. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
v. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
w. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
x. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
y. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
z. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	
20. SUBSAMPLE DRY WEIGHT (gm)	58.40	21. SPECIFIC GRAVITY	2.71
21. SPECIFIC GRAVITY	2.71	22. SUBSAMPLING (mm)	Plasticity
22. SUBSAMPLING (mm)	Plasticity	23. SURFACE TEXTURE (mm)	Shall Co.
23. SURFACE TEXTURE (mm)	Shall Co.	24. DOMINANT MINERAL (%)	
24. DOMINANT MINERAL (%)		25. SECONDARY MINERAL (%)	
25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)	
26. OTHER MINERALS (%)		27. REMARKS:	
27. REMARKS:	82-88" blue, pbbly 5Y4/1 88-92" blue clay 92-97" silt and blue clay 97-101" silt and blue clay 101-104" silt and blue clay		
Sediment Type	Clayey Silt	Clayey Silt	Sandy Mud

1. SAMPLE NUMBER	66-106-1	5. SAMPLER TYPE	Kullenberg
2. LATITUDE	44° 23' N	6. WATER DEPTH (m.)	9.2
3. LONGITUDE	68° 53' W	7. CORE LENGTH (m.)	65
4. DATE (day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	60
9. LABORATORY NUMBERS	3493		
10. SUBSAMPLE DEPTH IN CORE (m.)	12-14		
11. COLOR	Olive Gray 5Y4/1		
12. ODR			
13. WET DENSITY (lb./ft ³)			
14. RIGIDITY (mm)			
15. WATSHAM PROSITY (%)			
16. WATSHAM PROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	4	0 ₅	2
b. < 2 ₅ to < 1 ₅ (%)	2	54 ₅	3
c. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
d. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
e. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
f. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
g. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
h. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
i. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
j. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
k. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
l. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
m. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
n. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
o. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
p. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
q. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
r. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
s. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
t. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
u. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
v. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
w. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
x. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
y. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
z. < 1 ₅ to < 1 ₅ (%)	1	54 ₅	3
20. SUBSAMPLE DRY WEIGHT (gm)	28.85	21. SPECIFIC GRAVITY	2.71
21. SPECIFIC GRAVITY	2.71	22. SUBSAMPLING (mm)	Plasticity
22. SUBSAMPLING (mm)	Plasticity	23. SURFACE TEXTURE (mm)	Shall Co.
23. SURFACE TEXTURE (mm)	Shall Co.	24. DOMINANT MINERAL (%)	
24. DOMINANT MINERAL (%)		25. SECONDARY MINERAL (%)	
25. SECONDARY MINERAL (%)		26. OTHER MINERALS (%)	
26. OTHER MINERALS (%)		27. REMARKS:	
27. REMARKS:	Heavy items piece determined in the lab. Dredge material Soft, plastic, brown clay with dark streaks of the top 0-2" 53 Nume Four granules 33-36 Sh. Ky. bluish-green clay		
Sediment Type	Clayey Silt	Clayey Silt	Sandy Mud

66-209-1 continued						
1. SAMPLE NUMBER	2. LATITUDE	3. LONGITUDE	4. DATE (day, month, year)	5. SAMPLER TYPE	6. WATER DEPTH (m.)	7. CORE LENGTH (in.)
8. DATE (day, month, year)	9. LABORATORY NUMBERS	10. SUBSAMPLE DEPTH IN CORE (in.)	11. COLOR	12. MOISTURE	13. WET DENSITY (lb./ft ³)	14. RESIDUUM (%)
15. MAXIMUM POROSITY (%)	16. MINIMUM POROSITY (%)	17. WATER CONTENT (%)	18. ORGANIC CARBON CONTENT (%)	19. SIZE ANALYSIS AND STATISTICAL MEASURES	20. SUSPENSIBLE DRY WEIGHT (mg)	21. SPECIFICITY (mg/g)
22. PLASTICITY (mm)	23. SHAPIRE-TESTING (mm) Shell Cn.	24. DIAMANT MINERAL (%)	25. SECONDARY MINERALS (%)	26. OTHER MINERALS (%)	27. RUMIN*	28. OTHER MINERALS (%)
36-42" sticky, olive green, clayey silt, w/ soft brown clay						
42-45" w/ soft brown clay						
46-47" w/ soft brown clay						
48-50" w/ soft brown clay						
50-52" w/ soft brown clay						
52-54" w/ soft brown clay						
54-56" w/ soft brown clay						
56-58" w/ soft brown clay						
58-60" w/ soft brown clay						
60-62" w/ soft brown clay						
62-64" w/ soft brown clay						
64-66" w/ soft brown clay						
66-68" w/ soft brown clay						
68-70" w/ soft brown clay						
70-72" w/ soft brown clay						
72-74" w/ soft brown clay						
74-76" w/ soft brown clay						
76-78" w/ soft brown clay						
78-80" w/ soft brown clay						
80-82" w/ soft brown clay						
82-84" w/ soft brown clay						
84-86" w/ soft brown clay						
86-88" w/ soft brown clay						
88-90" w/ soft brown clay						
90-92" w/ soft brown clay						
92-94" w/ soft brown clay						
94-96" w/ soft brown clay						
96-98" w/ soft brown clay						
98-100" w/ soft brown clay						
100-102" w/ soft brown clay						
102-104" w/ soft brown clay						
104-106" w/ soft brown clay						
106-108" w/ soft brown clay						
108-110" w/ soft brown clay						
110-112" w/ soft brown clay						
112-114" w/ soft brown clay						
114-116" w/ soft brown clay						
116-118" w/ soft brown clay						
118-120" w/ soft brown clay						
120-122" w/ soft brown clay						
122-124" w/ soft brown clay						
124-126" w/ soft brown clay						
126-128" w/ soft brown clay						
128-130" w/ soft brown clay						
130-132" w/ soft brown clay						
132-134" w/ soft brown clay						
134-136" w/ soft brown clay						
136-138" w/ soft brown clay						
138-140" w/ soft brown clay						
140-142" w/ soft brown clay						
142-144" w/ soft brown clay						
144-146" w/ soft brown clay						
146-148" w/ soft brown clay						
148-150" w/ soft brown clay						
150-152" w/ soft brown clay						
152-154" w/ soft brown clay						
154-156" w/ soft brown clay						
156-158" w/ soft brown clay						
158-160" w/ soft brown clay						
160-162" w/ soft brown clay						
162-164" w/ soft brown clay						
164-166" w/ soft brown clay						
166-168" w/ soft brown clay						
168-170" w/ soft brown clay						
170-172" w/ soft brown clay						
172-174" w/ soft brown clay						
174-176" w/ soft brown clay						
176-178" w/ soft brown clay						
178-180" w/ soft brown clay						
180-182" w/ soft brown clay						
182-184" w/ soft brown clay						
184-186" w/ soft brown clay						
186-188" w/ soft brown clay						
188-190" w/ soft brown clay						
190-192" w/ soft brown clay						
192-194" w/ soft brown clay						
194-196" w/ soft brown clay						
196-198" w/ soft brown clay						
198-200" w/ soft brown clay						
200-202" w/ soft brown clay						
202-204" w/ soft brown clay						
204-206" w/ soft brown clay						
206-208" w/ soft brown clay						
208-210" w/ soft brown clay						
210-212" w/ soft brown clay						
212-214" w/ soft brown clay						
214-216" w/ soft brown clay						
216-218" w/ soft brown clay						
218-220" w/ soft brown clay						
220-222" w/ soft brown clay						
222-224" w/ soft brown clay						
224-226" w/ soft brown clay						
226-228" w/ soft brown clay						
228-230" w/ soft brown clay						
230-232" w/ soft brown clay						
232-234" w/ soft brown clay						
234-236" w/ soft brown clay						
236-238" w/ soft brown clay						
238-240" w/ soft brown clay						
240-242" w/ soft brown clay						
242-244" w/ soft brown clay						
244-246" w/ soft brown clay						
246-248" w/ soft brown clay						
248-250" w/ soft brown clay						
250-252" w/ soft brown clay						
252-254" w/ soft brown clay						
254-256" w/ soft brown clay						
256-258" w/ soft brown clay						
258-260" w/ soft brown clay						
260-262" w/ soft brown clay						
262-264" w/ soft brown clay						
264-266" w/ soft brown clay						
266-268" w/ soft brown clay						
268-270" w/ soft brown clay						
270-272" w/ soft brown clay						
272-274" w/ soft brown clay						
274-276" w/ soft brown clay						
276-278" w/ soft brown clay						
278-280" w/ soft brown clay						
280-282" w/ soft brown clay						
282-284" w/ soft brown clay						
284-286" w/ soft brown clay						
286-288" w/ soft brown clay						
288-290" w/ soft brown clay						
290-292" w/ soft brown clay						
292-294" w/ soft brown clay						
294-296" w/ soft brown clay						
296-298" w/ soft brown clay						
298-300" w/ soft brown clay						
300-302" w/ soft brown clay						
302-304" w/ soft brown clay						
304-306" w/ soft brown clay						
306-308" w/ soft brown clay						
308-310" w/ soft brown clay						
310-312" w/ soft brown clay						
312-314" w/ soft brown clay						
314-316" w/ soft brown clay						
316-318" w/ soft brown clay						
318-320" w/ soft brown clay						
320-322" w/ soft brown clay						
322-324" w/ soft brown clay						
324-326" w/ soft brown clay						
326-328" w/ soft brown clay						
328-330" w/ soft brown clay						
330-332" w/ soft brown clay						
332-334" w/ soft brown clay						

1. SAMPLE NUMBER	66-210-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 25' 02" N	6. WATER DEPTH (m.)	90
3. LONGITUDE	68° 52' 02" W	7. CORE LENGTH (m.)	119
4. DATE (day, month, year)	8 October 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS	3691	9. LABORATORY NUMBERS	3692
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	36-58
11. COLOR	Grayish Olive Green (5.6V 3.6)	11. COLOR	Grayish Olive Green (5.6V 3.6)
12. ODR		12. ODR	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RIGIDITY (mm)		14. RIGIDITY (mm)	
15. MATHSON POROSITY (%)		15. MATHSON POROSITY (%)	
16. MATHSON POROSITY (%)		16. MATHSON POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. -2 ₁ (%)	100	b. -2 ₁ (%)	100
b. -2 ₁ to -2 ₂ (%)	100	b. -2 ₁ to -2 ₂ (%)	100
c. -2 ₂ to 0 ₁ (%)	100	c. -2 ₂ to 0 ₁ (%)	100
d. 0 ₁ to 0 ₂ (%)	100	d. 0 ₁ to 0 ₂ (%)	100
e. 0 ₂ to 0 ₃ (%)	100	e. 0 ₂ to 0 ₃ (%)	100
f. 0 ₃ to 0 ₄ (%)	100	f. 0 ₃ to 0 ₄ (%)	100
g. 0 ₄ to 0 ₅ (%)	100	g. 0 ₄ to 0 ₅ (%)	100
h. 0 ₅ to 0 ₆ (%)	100	h. 0 ₅ to 0 ₆ (%)	100
i. 0 ₆ to 0 ₇ (%)	100	i. 0 ₆ to 0 ₇ (%)	100
j. 0 ₇ to 0 ₈ (%)	100	j. 0 ₇ to 0 ₈ (%)	100
k. 0 ₈ to 0 ₉ (%)	100	k. 0 ₈ to 0 ₉ (%)	100
l. 0 ₉ to 0 ₁₀ (%)	100	l. 0 ₉ to 0 ₁₀ (%)	100
m. 0 ₁₀ to 0 ₁₁ (%)	100	m. 0 ₁₀ to 0 ₁₁ (%)	100
n. 0 ₁₁ to 0 ₁₂ (%)	100	n. 0 ₁₁ to 0 ₁₂ (%)	100
o. 0 ₁₂ to 0 ₁₃ (%)	100	o. 0 ₁₂ to 0 ₁₃ (%)	100
p. 0 ₁₃ to 0 ₁₄ (%)	100	p. 0 ₁₃ to 0 ₁₄ (%)	100
q. 0 ₁₄ to 0 ₁₅ (%)	100	q. 0 ₁₄ to 0 ₁₅ (%)	100
r. 0 ₁₅ to 0 ₁₆ (%)	100	r. 0 ₁₅ to 0 ₁₆ (%)	100
s. 0 ₁₆ to 0 ₁₇ (%)	100	s. 0 ₁₆ to 0 ₁₇ (%)	100
t. 0 ₁₇ to 0 ₁₈ (%)	100	t. 0 ₁₇ to 0 ₁₈ (%)	100
u. 0 ₁₈ to 0 ₁₉ (%)	100	u. 0 ₁₈ to 0 ₁₉ (%)	100
v. 0 ₁₉ to 0 ₂₀ (%)	100	v. 0 ₁₉ to 0 ₂₀ (%)	100
w. 0 ₂₀ to 0 ₂₁ (%)	100	w. 0 ₂₀ to 0 ₂₁ (%)	100
x. 0 ₂₁ to 0 ₂₂ (%)	100	x. 0 ₂₁ to 0 ₂₂ (%)	100
y. 0 ₂₂ to 0 ₂₃ (%)	100	y. 0 ₂₂ to 0 ₂₃ (%)	100
z. 0 ₂₃ to 0 ₂₄ (%)	100	z. 0 ₂₃ to 0 ₂₄ (%)	100
aa. 0 ₂₄ to 0 ₂₅ (%)	100	aa. 0 ₂₄ to 0 ₂₅ (%)	100
ab. 0 ₂₅ to 0 ₂₆ (%)	100	ab. 0 ₂₅ to 0 ₂₆ (%)	100
ac. 0 ₂₆ to 0 ₂₇ (%)	100	ac. 0 ₂₆ to 0 ₂₇ (%)	100
ad. 0 ₂₇ to 0 ₂₈ (%)	100	ad. 0 ₂₇ to 0 ₂₈ (%)	100
ae. 0 ₂₈ to 0 ₂₉ (%)	100	ae. 0 ₂₈ to 0 ₂₉ (%)	100
af. 0 ₂₉ to 0 ₃₀ (%)	100	af. 0 ₂₉ to 0 ₃₀ (%)	100
ag. 0 ₃₀ to 0 ₃₁ (%)	100	ag. 0 ₃₀ to 0 ₃₁ (%)	100
ah. 0 ₃₁ to 0 ₃₂ (%)	100	ah. 0 ₃₁ to 0 ₃₂ (%)	100
ai. 0 ₃₂ to 0 ₃₃ (%)	100	ai. 0 ₃₂ to 0 ₃₃ (%)	100
aj. 0 ₃₃ to 0 ₃₄ (%)	100	aj. 0 ₃₃ to 0 ₃₄ (%)	100
ak. 0 ₃₄ to 0 ₃₅ (%)	100	ak. 0 ₃₄ to 0 ₃₅ (%)	100
al. 0 ₃₅ to 0 ₃₆ (%)	100	al. 0 ₃₅ to 0 ₃₆ (%)	100
am. 0 ₃₆ to 0 ₃₇ (%)	100	am. 0 ₃₆ to 0 ₃₇ (%)	100
an. 0 ₃₇ to 0 ₃₈ (%)	100	an. 0 ₃₇ to 0 ₃₈ (%)	100
ao. 0 ₃₈ to 0 ₃₉ (%)	100	ao. 0 ₃₈ to 0 ₃₉ (%)	100
ap. 0 ₃₉ to 0 ₄₀ (%)	100	ap. 0 ₃₉ to 0 ₄₀ (%)	100
aq. 0 ₄₀ to 0 ₄₁ (%)	100	aq. 0 ₄₀ to 0 ₄₁ (%)	100
ar. 0 ₄₁ to 0 ₄₂ (%)	100	ar. 0 ₄₁ to 0 ₄₂ (%)	100
as. 0 ₄₂ to 0 ₄₃ (%)	100	as. 0 ₄₂ to 0 ₄₃ (%)	100
at. 0 ₄₃ to 0 ₄₄ (%)	100	at. 0 ₄₃ to 0 ₄₄ (%)	100
au. 0 ₄₄ to 0 ₄₅ (%)	100	au. 0 ₄₄ to 0 ₄₅ (%)	100
av. 0 ₄₅ to 0 ₄₆ (%)	100	av. 0 ₄₅ to 0 ₄₆ (%)	100
aw. 0 ₄₆ to 0 ₄₇ (%)	100	aw. 0 ₄₆ to 0 ₄₇ (%)	100
ax. 0 ₄₇ to 0 ₄₈ (%)	100	ax. 0 ₄₇ to 0 ₄₈ (%)	100
ay. 0 ₄₈ to 0 ₄₉ (%)	100	ay. 0 ₄₈ to 0 ₄₉ (%)	100
az. 0 ₄₉ to 0 ₅₀ (%)	100	az. 0 ₄₉ to 0 ₅₀ (%)	100
ba. 0 ₅₀ to 0 ₅₁ (%)	100	ba. 0 ₅₀ to 0 ₅₁ (%)	100
bb. 0 ₅₁ to 0 ₅₂ (%)	100	bb. 0 ₅₁ to 0 ₅₂ (%)	100
bc. 0 ₅₂ to 0 ₅₃ (%)	100	bc. 0 ₅₂ to 0 ₅₃ (%)	100
bd. 0 ₅₃ to 0 ₅₄ (%)	100	bd. 0 ₅₃ to 0 ₅₄ (%)	100
be. 0 ₅₄ to 0 ₅₅ (%)	100	be. 0 ₅₄ to 0 ₅₅ (%)	100
bf. 0 ₅₅ to 0 ₅₆ (%)	100	bf. 0 ₅₅ to 0 ₅₆ (%)	100
bg. 0 ₅₆ to 0 ₅₇ (%)	100	bg. 0 ₅₆ to 0 ₅₇ (%)	100
bh. 0 ₅₇ to 0 ₅₈ (%)	100	bh. 0 ₅₇ to 0 ₅₈ (%)	100
bi. 0 ₅₈ to 0 ₅₉ (%)	100	bi. 0 ₅₈ to 0 ₅₉ (%)	100
bj. 0 ₅₉ to 0 ₆₀ (%)	100	bj. 0 ₅₉ to 0 ₆₀ (%)	100
bk. 0 ₆₀ to 0 ₆₁ (%)	100	bk. 0 ₆₀ to 0 ₆₁ (%)	100
bl. 0 ₆₁ to 0 ₆₂ (%)	100	bl. 0 ₆₁ to 0 ₆₂ (%)	100
bm. 0 ₆₂ to 0 ₆₃ (%)	100	bm. 0 ₆₂ to 0 ₆₃ (%)	100
bn. 0 ₆₃ to 0 ₆₄ (%)	100	bn. 0 ₆₃ to 0 ₆₄ (%)	100
bo. 0 ₆₄ to 0 ₆₅ (%)	100	bo. 0 ₆₄ to 0 ₆₅ (%)	100
bp. 0 ₆₅ to 0 ₆₆ (%)	100	bp. 0 ₆₅ to 0 ₆₆ (%)	100
bq. 0 ₆₆ to 0 ₆₇ (%)	100	bq. 0 ₆₆ to 0 ₆₇ (%)	100
br. 0 ₆₇ to 0 ₆₈ (%)	100	br. 0 ₆₇ to 0 ₆₈ (%)	100
bs. 0 ₆₈ to 0 ₆₉ (%)	100	bs. 0 ₆₈ to 0 ₆₉ (%)	100
bt. 0 ₆₉ to 0 ₇₀ (%)	100	bt. 0 ₆₉ to 0 ₇₀ (%)	100
bu. 0 ₇₀ to 0 ₇₁ (%)	100	bu. 0 ₇₀ to 0 ₇₁ (%)	100
bv. 0 ₇₁ to 0 ₇₂ (%)	100	bv. 0 ₇₁ to 0 ₇₂ (%)	100
bw. 0 ₇₂ to 0 ₇₃ (%)	100	bw. 0 ₇₂ to 0 ₇₃ (%)	100
bx. 0 ₇₃ to 0 ₇₄ (%)	100	bx. 0 ₇₃ to 0 ₇₄ (%)	100
by. 0 ₇₄ to 0 ₇₅ (%)	100	by. 0 ₇₄ to 0 ₇₅ (%)	100
bz. 0 ₇₅ to 0 ₇₆ (%)	100	bz. 0 ₇₅ to 0 ₇₆ (%)	100
ca. 0 ₇₆ to 0 ₇₇ (%)	100	ca. 0 ₇₆ to 0 ₇₇ (%)	100
cb. 0 ₇₇ to 0 ₇₈ (%)	100	cb. 0 ₇₇ to 0 ₇₈ (%)	100
cc. 0 ₇₈ to 0 ₇₉ (%)	100	cc. 0 ₇₈ to 0 ₇₉ (%)	100
cd. 0 ₇₉ to 0 ₈₀ (%)	100	cd. 0 ₇₉ to 0 ₈₀ (%)	100
ce. 0 ₈₀ to 0 ₈₁ (%)	100	ce. 0 ₈₀ to 0 ₈₁ (%)	100
cf. 0 ₈₁ to 0 ₈₂ (%)	100	cf. 0 ₈₁ to 0 ₈₂ (%)	100
cg. 0 ₈₂ to 0 ₈₃ (%)	100	cg. 0 ₈₂ to 0 ₈₃ (%)	100
ch. 0 ₈₃ to 0 ₈₄ (%)	100	ch. 0 ₈₃ to 0 ₈₄ (%)	100
ci. 0 ₈₄ to 0 ₈₅ (%)	100	ci. 0 ₈₄ to 0 ₈₅ (%)	100
cj. 0 ₈₅ to 0 ₈₆ (%)	100	cj. 0 ₈₅ to 0 ₈₆ (%)	100
ck. 0 ₈₆ to 0 ₈₇ (%)	100	ck. 0 ₈₆ to 0 ₈₇ (%)	100
cl. 0 ₈₇ to 0 ₈₈ (%)	100	cl. 0 ₈₇ to 0 ₈₈ (%)	100
cm. 0 ₈₈ to 0 ₈₉ (%)	100	cm. 0 ₈₈ to 0 ₈₉ (%)	100
cn. 0 ₈₉ to 0 ₉₀ (%)	100	cn. 0 ₈₉ to 0 ₉₀ (%)	100
co. 0 ₉₀ to 0 ₉₁ (%)	100	co. 0 ₉₀ to 0 ₉₁ (%)	100
cp. 0 ₉₁ to 0 ₉₂ (%)	100	cp. 0 ₉₁ to 0 ₉₂ (%)	100
cq. 0 ₉₂ to 0 ₉₃ (%)	100	cq. 0 ₉₂ to 0 ₉₃ (%)	100
cr. 0 ₉₃ to 0 ₉₄ (%)	100	cr. 0 ₉₃ to 0 ₉₄ (%)	100
cs. 0 ₉₄ to 0 ₉₅ (%)	100	cs. 0 ₉₄ to 0 ₉₅ (%)	100
ct. 0 ₉₅ to 0 ₉₆ (%)	100	ct. 0 ₉₅ to 0 ₉₆ (%)	100
cu. 0 ₉₆ to 0 ₉₇ (%)	100	cu. 0 ₉₆ to 0 ₉₇ (%)	100
cv. 0 ₉₇ to 0 ₉₈ (%)	100	cv. 0 ₉₇ to 0 ₉₈ (%)	100
cw. 0 ₉₈ to 0 ₉₉ (%)	100	cw. 0 ₉₈ to 0 ₉₉ (%)	100
cx. 0 ₉₉ to 0 ₁₀₀ (%)	100	cx. 0 ₉₉ to 0 ₁₀₀ (%)	100
cy. 0 ₁₀₀ to 0 ₁₀₁ (%)	100	cy. 0 ₁₀₀ to 0 ₁₀₁ (%)	100
cz. 0 ₁₀₁ to 0 ₁₀₂ (%)	100	cz. 0 ₁₀₁ to 0 ₁₀₂ (%)	100
ca. 0 ₁₀₂ to 0 ₁₀₃ (%)	100	ca. 0 ₁₀₂ to 0 ₁₀₃ (%)	100
cb. 0 ₁₀₃ to 0 ₁₀₄ (%)	100	cb. 0 ₁₀₃ to 0 ₁₀₄ (%)	100
cc. 0 ₁₀₄ to 0 ₁₀₅ (%)	100	cc. 0 ₁₀₄ to 0 ₁₀₅ (%)	100
cd. 0 ₁₀₅ to 0 ₁₀₆ (%)	100	cd. 0 ₁₀₅ to 0 ₁₀₆ (%)	100
ce. 0 ₁₀₆ to 0 ₁₀₇ (%)	100	ce. 0 ₁₀₆ to 0 ₁₀₇ (%)	100
cf. 0 ₁₀₇ to 0 ₁₀₈ (%)	100	cf. 0 ₁₀₇ to 0 ₁₀₈ (%)	100
cg. 0 ₁₀₈ to 0 ₁₀₉ (%)	100	cg. 0 ₁₀₈ to 0 ₁₀₉ (%)	100
ch. 0 ₁₀₉ to 0 ₁₁₀ (%)	100	ch. 0 ₁₀₉ to 0 ₁₁₀ (%)	100
ci. 0 ₁₁₀ to 0 ₁₁₁ (%)	100	ci. 0 ₁₁₀ to 0 ₁₁₁ (%)	100
cj. 0 ₁₁₁ to 0 ₁₁₂ (%)	100	cj. 0 ₁₁₁ to 0 ₁₁₂ (%)	100
ck. 0 ₁₁₂ to 0 ₁₁₃ (%)	100	ck. 0 ₁₁₂ to 0 ₁₁₃ (%)	100
cl. 0 ₁₁₃ to 0 ₁₁₄ (%)	100	cl. 0 ₁₁₃ to 0 ₁₁₄ (%)	100
cm. 0 ₁₁₄ to 0 ₁₁₅ (%)	100	cm. 0 ₁₁₄ to 0 ₁₁₅ (%)	100
cn. 0 ₁₁₅ to 0 ₁₁₆ (%)	100	cn. 0 ₁₁₅ to 0 ₁₁₆ (%)	100
co. 0 ₁₁₆ to 0 ₁₁₇ (%)	100	co. 0 ₁₁₆ to 0 ₁₁₇ (%)	100
cp. 0 ₁₁₇ to 0 ₁₁₈ (%)	100	cp. 0 ₁₁₇ to 0 ₁₁₈ (%)	100
cq. 0 ₁₁₈ to 0 ₁₁₉ (%)	100	cq. 0 ₁₁₈ to 0 ₁₁₉ (%)	100
cr. 0 ₁₁₉ to 0 ₁₂₀ (%)	100	cr. 0 ₁₁₉ to 0 ₁₂₀ (%)	100
cs. 0 ₁₂₀ to 0 ₁₂₁ (%)	100	cs. 0 ₁₂₀ to 0 ₁₂₁ (%)	100
ct. 0 ₁₂₁ to 0 ₁₂₂ (%)	100	ct. 0 ₁₂₁ to 0 ₁₂₂ (%)	100
cu. 0 ₁₂₂ to 0 ₁₂₃ (%)	100	cu. 0 ₁₂₂ to 0 ₁₂₃ (%)	100
cv. 0 ₁₂₃ to 0 ₁₂₄ (%)	100	cv. 0 ₁₂₃ to 0 ₁₂₄ (%)	100
cw. 0 ₁₂₄ to 0 ₁₂₅ (%)	100	cw. 0 ₁₂₄ to 0 ₁₂₅ (%)	100
cx. 0 ₁₂₅ to 0 ₁₂₆ (%)	100	cx. 0 ₁₂₅ to 0 ₁₂₆ (%)	100
cy. 0 ₁₂₆ to 0 ₁₂₇ (%)	100	cy. 0 ₁₂₆ to 0 ₁₂₇ (%)	100
cz. 0 ₁₂₇ to 0 ₁₂₈ (%)	100	cz. 0 ₁₂₇ to 0 ₁₂₈ (%)	100
ca. 0 ₁₂₈ to 0 ₁₂₉ (%)	100	ca. 0 ₁₂₈ to 0 ₁₂₉ (%)	100
cb. 0 ₁₂₉ to 0 ₁₃₀ (%)	100	cb. 0 ₁₂₉ to 0 ₁₃₀ (%)	100
cc. 0 ₁₃₀ to 0 ₁₃₁ (%)	100	cc. 0 ₁₃₀ to 0 ₁₃₁ (%)	100
cd. 0 ₁₃₁ to 0 ₁₃₂ (%)	100	cd. 0 ₁₃₁ to 0 ₁₃₂ (%)	100
ce. 0 ₁₃₂ to 0 ₁₃₃ (%)	100	ce. 0 ₁₃₂ to 0 ₁₃₃ (%)	100
cf. 0 ₁₃₃ to 0 ₁₃₄ (%)	100	cf. 0 ₁₃₃ to 0 ₁₃₄ (%)	100
cg. 0 ₁₃₄ to 0 ₁₃₅ (%)	100	cg. 0 ₁₃₄ to 0 ₁₃₅ (%)	100
ch. 0 ₁₃₅ to 0 ₁₃₆ (%)	100	ch. 0 ₁₃₅ to 0 ₁₃₆ (%)	100
ci. 0 ₁₃₆ to 0 ₁₃₇ (%)	100	ci. 0 ₁₃₆ to 0 ₁₃₇ (%)	100
cj. 0 ₁₃₇ to 0 ₁₃₈ (%)	100	cj. 0 ₁₃₇ to 0 ₁₃₈ (%)	100
ck. 0 ₁₃₈ to 0 ₁₃₉ (%)	100	ck. 0 ₁₃₈ to 0 ₁₃₉ (%)	100
cl. 0 ₁₃₉ to 0 ₁₄₀ (%)	100	cl. 0 ₁₃₉ to 0 ₁₄₀ (%)	100
cm. 0 ₁₄₀ to 0 ₁₄₁ (%)	100	cm. 0 ₁₄₀ to 0 ₁₄₁ (%)	100
cn. 0 ₁₄₁ to 0 ₁₄₂ (%)	100	cn. 0 ₁₄₁ to 0 ₁₄₂ (%)	100
co. 0 ₁₄₂ to 0 ₁₄₃ (%)	1		

1. SAMPLE NUMBER	60-211-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44 25 22 N	6. WATER DEPTH (m.)	8.7
3. LONGITUDE	68 49 58 W	7. CORE LENGTH (m.)	94
4. DATE (Day, month, year)	8 OCTOBER 1959	8. CORE PENETRATION (m.)	120
9. LABORATORY NUMBERS	3405		
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2		
11. COLOR	3406		
12. DOOR	3407		
13. WET DENSITY (lb./ft. ³)	3408		
14. RIGIDITY (mm)	3409		
15. MAXIMUM POROSITY (%)	3410		
16. MINIMUM POROSITY (%)	3411		
17. WATER CONTENT (%)	3412		
18. ORGANIC CARBON CONTENT (%)	3413		
19. SITE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)	16.46		
21. SPECIFICITY (avg.)	Med		
22. SURFACE TEXTURE (avg.)	Plasticity		
23. DOMINANT MINERAL (%)	21%		
24. SECONDARY MINERAL (%)	0		
25. OTHER MINERALS (%)	1%		
26. OTHER MINERALS (%)	0		
27. REMARKS:	<p>0-40" Silty clay becoming sandy toward bottom. Some "very sandy" layers. Open worm burrows and scattered shell fragments. Very silty layers at 50-60". Brown sandy lumps at 70". Large piece of wood at 94". Lower portion of core possibly - and somewhat disturbed.</p>		
SEDIMENT TYPE	Silty Clay		

1. SAMPLE NUMBER	60-211-1	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3409		
10. SUBSAMPLE DEPTH IN CORE (m.)	60-62		
11. COLOR	OLIVE GRAY (5Y 4/1)		
12. DOOR			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (mm)			
15. MAXIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SITE ANALYSIS AND STATISTICAL MEASURES			
20. SUBSAMPLE DRY WEIGHT (gm)			
21. SPECIFICITY (avg.)			
22. SURFACE TEXTURE (avg.)			
23. DOMINANT MINERAL (%)			
24. SECONDARY MINERAL (%)			
25. OTHER MINERALS (%)			
26. OTHER MINERALS (%)			
27. REMARKS:			
SEDIMENT TYPE			

1. SAMPLE NUMBER	66-212-1	5. SAMPLER TYPE	KYLEBERG
2. LATITUDE	44 24 09 N	6. WATER DEPTH (m.)	9.5
3. LONGITUDE	68 49 57 W	7. CORE LENGTH (m.)	121
4. DATE (Day, month, year)	18 October 1959	8. CORE PENETRATION (m.)	156
9. LABORATORY NUMBER	3554	9. LABORATORY NUMBER	3555
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	3556
11. COLOR	OLIVE GRAY (5Y 3/2)	11. COLOR	OLIVE GRAY (5Y 3/2)
12. ODR		12. ODR	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)		14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 ₅ (%)	00 ₂	a. < 2 ₅ (%)	00 ₂
b. -2 ₅ to -1 ₆ (%)	3 ₂	b. -2 ₅ to -1 ₆ (%)	3 ₂
c. -1 ₆ to 0 ₄ (%)	87 ₄	c. -1 ₆ to 0 ₄ (%)	86 ₇
d. 0 ₄ to 1 ₆ (%)	1	d. 0 ₄ to 1 ₆ (%)	1
e. 1 ₆ to 2 ₅ (%)	01 ₁	e. 1 ₆ to 2 ₅ (%)	01 ₁
f. 2 ₅ to 3 ₆ (%)	03 ₂	f. 2 ₅ to 3 ₆ (%)	03 ₂
g. 3 ₆ to 4 ₆ (%)		g. 3 ₆ to 4 ₆ (%)	
h. 4 ₆ to 6 ₀ (%)	11	h. 4 ₆ to 6 ₀ (%)	12
i. 6 ₀ to 8 ₀ (%)	42	i. 6 ₀ to 8 ₀ (%)	40
j. > 8 ₀ (%)	45	j. > 8 ₀ (%)	47
20. SUBSAMPLE DRY WEIGHT (gm)	22.67	20. SUBSAMPLE DRY WEIGHT (gm)	21.90
21. SPECIFIC (avg.)		21. SPECIFIC (avg.)	
22. MINIMUM POROSITY Plasticity	High	22. MINIMUM POROSITY Plasticity	High
23. ORGANIC CARBON CONTENT % Organic	0	23. ORGANIC CARBON CONTENT % Organic	0
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	< 1%
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

ITEMS 11-26 DETERMINED IN THE LAB.
THE TOP 1/2" OF THE CORE WAS BLACK AND VERY FOUL - PROBABLY ORGANIC.
THE CORE CONTAINED A FEW SCATTERED SHELLS AND WORM BURROWS

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-212-1	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (Day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBER	3558	9. LABORATORY NUMBER	
10. SUBSAMPLE DEPTH IN CORE (m.)	1/9 - 121	10. SUBSAMPLE DEPTH IN CORE (m.)	
11. COLOR	GRAYISH OLIVE GREEN (5GY 3/4)	11. COLOR	
12. ODR		12. ODR	
13. WET DENSITY (lb./ft ³)		13. WET DENSITY (lb./ft ³)	
14. RIGIDNESS (mm)		14. RIGIDNESS (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL MEASURES		19. SIZE ANALYSIS AND STATISTICAL MEASURES	
a. < 2 ₅ (%)	00 ₂	a. < 2 ₅ (%)	00 ₂
b. -2 ₅ to -1 ₆ (%)	3 ₂	b. -2 ₅ to -1 ₆ (%)	3 ₂
c. -1 ₆ to 0 ₄ (%)	90 ₀	c. -1 ₆ to 0 ₄ (%)	90 ₀
d. 0 ₄ to 1 ₆ (%)	3	d. 0 ₄ to 1 ₆ (%)	3
e. 1 ₆ to 2 ₅ (%)	01 ₁	e. 1 ₆ to 2 ₅ (%)	01 ₁
f. 2 ₅ to 3 ₆ (%)	03 ₂	f. 2 ₅ to 3 ₆ (%)	03 ₂
g. 3 ₆ to 4 ₆ (%)		g. 3 ₆ to 4 ₆ (%)	
h. 4 ₆ to 6 ₀ (%)	11	h. 4 ₆ to 6 ₀ (%)	11
i. 6 ₀ to 8 ₀ (%)	36	i. 6 ₀ to 8 ₀ (%)	36
j. > 8 ₀ (%)	49	j. > 8 ₀ (%)	49
20. SUBSAMPLE DRY WEIGHT (gm)	18.17	20. SUBSAMPLE DRY WEIGHT (gm)	
21. SPECIFIC (avg.)		21. SPECIFIC (avg.)	
22. MINIMUM POROSITY Plasticity	High	22. MINIMUM POROSITY Plasticity	High
23. ORGANIC CARBON CONTENT % Organic	< 1%	23. ORGANIC CARBON CONTENT % Organic	< 1%
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS		27. REMARKS	

SEDIMENT TYPE	SILTY CLAY
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1. SAMPLE NUMBER	66-213-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44 24 10 N	6. WATER DEPTH (m.)	10.8
3. LONGITUDE	51 55 W	7. CORE LENGTH (m.)	110
4. DATE (day, month, year)	8 OCTOBER 1959	8. CORE PENETRATION (m.)	144
9. LABORATORY NUMBERS	3742 *	3743	3744
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	16-18	46-48
11. COLOR	blue gray (5Y 4/1)	blue gray (5Y 4/1)	blue gray (5Y 4/1)
12. D50 ₈₈			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (cm)			
15. MINIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂	0 ₁	0 ₂
b. -2 ₅ to -4 ₅ (%)	SR ₂	SR ₁	SR ₂
c. -4 ₅ to 0 ₂ (%)	M ₂ 8.87	M ₁ 8.83	M ₂ 8.51
d. 0 ₂ to 1 ₂ (%)	0	0	0
e. 1 ₂ to 2 ₅ (%)	2	1	2
f. 2 ₅ to 3 ₆ (%)	0 ₂	0 ₁	0 ₂
g. 3 ₆ to 8 ₄ (%)	1	1	1
h. 8 ₄ to 5 ₀ (%)	11	11	6
i. 5 ₀ to 10 ₀ (%)	39	41	42
j. > 9 ₀ (%)	47	45	50
20. DISSEMULATED DRY WEIGHT (mm)	16.02	16.70	15.37
21. SPECIFIC (avg.)			1870
22. MINIMUM TO PLASTICITY	High	High	High
23. PLASTICITY (mm)	0	0	0
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS	ITEMS 11-26 DETERMINED IN THE LAB * THE SAMPLE CONTAINED DARK STRENS 0-3 in. - Dark layer. Slight color change at 69"		

1. SAMPLE NUMBER	66-213-1	5. SAMPLER TYPE	
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3742	3743	3744
10. SUBSAMPLE DEPTH IN CORE (m.)	69-71	85-87	103-105
11. COLOR	Greenish Blue (5GY 3/2)	Greenish Blue (5GY 3/2)	Greenish Blue (5GY 3/2)
12. D50 ₈₈			
13. WET DENSITY (lb./ft. ³)			
14. RIGIDITY (cm)			
15. MINIMUM POROSITY (%)			
16. MINIMUM POROSITY (%)			
17. WATER CONTENT (%)			
18. ORGANIC CARBON CONTENT (%)			
19. SIZE ANALYSIS AND STATISTICAL MEASURES			
a. < 2 ₅ (%)	0 ₂	0 ₁	0 ₂
b. -2 ₅ to -4 ₅ (%)	SR ₂	SR ₁	SR ₂
c. -4 ₅ to 0 ₂ (%)	M ₂ 8.87	M ₁ 8.86	M ₂ 7.24
d. 0 ₂ to 1 ₂ (%)	2	0 ₁ 7.16	7
e. 1 ₂ to 2 ₅ (%)	0 ₂	0 ₂	8
f. 2 ₅ to 3 ₆ (%)	1	3	5
g. 3 ₆ to 8 ₄ (%)	10	12	11
h. 8 ₄ to 5 ₀ (%)	40	39	33
i. 5 ₀ to 10 ₀ (%)	48	47	35
j. > 9 ₀ (%)	13.91	17.28	26.62
20. DISSEMULATED DRY WEIGHT (mm)			2.15
21. SPECIFIC (avg.)			
22. MINIMUM TO PLASTICITY	High	High	Med.
23. PLASTICITY (mm)	0	0	4-7%
24. DOMINANT MINERAL (%)			
25. SECONDARY MINERAL (%)			
26. OTHER MINERALS (%)			
27. REMARKS			

SEGMENT TYPE	CLAYEY SILT	CLAYEY SILT	SILT CLAY
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SEGMENT TYPE	CLAYEY SILT	CLAYEY SILT	SILT CLAY
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1. SAMPLE NUMBER	66-215-1	5. SAMPLER TYPE	KILLENBERG	
2. LATITUDE	44° 16' N	6. WATER DEPTH (m.)	30.8	
3. LONGITUDE	68° 59' 45" W	7. CORE LENGTH (m.)	124	
4. DATE (Day, month, year)	8 OCTOBER 1959	8. CORE PENETRATION (m.)	144	
9. LABORATORY NUMBERS	3385	3386	3387	3388
10. SUBSAMPLE DEPTH IN CORE (m.)	12-14	36-38	38-40	40
11. COLOR	OLIVE GRAY (5 Y 4/1)	DARK GREENISH (5 Y 4/1)	OLIVE GRAY (5 Y 4/1)	OLIVE GRAY (5 Y 4/1)
12. ODOR				
13. WET DENSITY (lb./ft. ³)				
14. RIGIDITY (mm)				
15. MAXIMUM POROSITY (%)				
16. MINIMUM POROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SIZE ANALYSIS AND STATISTICAL MEASURES				
a. ϕ_{20} to ϕ_{60}				
b. ϕ_{20} to ϕ_{40}				
c. ϕ_{40} to ϕ_{60}				
d. ϕ_{60} to ϕ_{80}				
e. ϕ_{80} to ϕ_{100}				
f. ϕ_{100} to ϕ_{200}				
g. ϕ_{200} to ϕ_{400}				
h. ϕ_{400} to ϕ_{600}				
i. ϕ_{600} to ϕ_{800}				
j. ϕ_{800} to ϕ_{1000}				
k. ϕ_{1000} to ϕ_{2000}				
l. ϕ_{2000} to ϕ_{4000}				
m. ϕ_{4000} to ϕ_{6000}				
n. ϕ_{6000} to ϕ_{8000}				
o. ϕ_{8000} to ϕ_{10000}				
p. ϕ_{10000} to ϕ_{20000}				
q. ϕ_{20000} to ϕ_{40000}				
r. ϕ_{40000} to ϕ_{60000}				
s. ϕ_{60000} to ϕ_{80000}				
t. ϕ_{80000} to ϕ_{100000}				
u. ϕ_{100000} to ϕ_{200000}				
v. ϕ_{200000} to ϕ_{400000}				
w. ϕ_{400000} to ϕ_{600000}				
x. ϕ_{600000} to ϕ_{800000}				
y. ϕ_{800000} to $\phi_{1000000}$				
z. $\phi_{1000000}$ to $\phi_{2000000}$				
aa. $\phi_{2000000}$ to $\phi_{4000000}$				
ab. $\phi_{4000000}$ to $\phi_{6000000}$				
ac. $\phi_{6000000}$ to $\phi_{8000000}$				
ad. $\phi_{8000000}$ to $\phi_{10000000}$				
ae. $\phi_{10000000}$ to $\phi_{20000000}$				
af. $\phi_{20000000}$ to $\phi_{40000000}$				
ag. $\phi_{40000000}$ to $\phi_{60000000}$				
ah. $\phi_{60000000}$ to $\phi_{80000000}$				
ai. $\phi_{80000000}$ to $\phi_{100000000}$				
aj. $\phi_{100000000}$ to $\phi_{200000000}$				
ak. $\phi_{200000000}$ to $\phi_{400000000}$				
al. $\phi_{400000000}$ to $\phi_{600000000}$				
am. $\phi_{600000000}$ to $\phi_{800000000}$				
an. $\phi_{800000000}$ to $\phi_{1000000000}$				
ao. $\phi_{1000000000}$ to $\phi_{2000000000}$				
ap. $\phi_{2000000000}$ to $\phi_{4000000000}$				
aq. $\phi_{4000000000}$ to $\phi_{6000000000}$				
ar. $\phi_{6000000000}$ to $\phi_{8000000000}$				
as. $\phi_{8000000000}$ to $\phi_{10000000000}$				
at. $\phi_{10000000000}$ to $\phi_{20000000000}$				
au. $\phi_{20000000000}$ to $\phi_{40000000000}$				
av. $\phi_{40000000000}$ to $\phi_{60000000000}$				
aw. $\phi_{60000000000}$ to $\phi_{80000000000}$				
ax. $\phi_{80000000000}$ to $\phi_{100000000000}$				
ay. $\phi_{100000000000}$ to $\phi_{200000000000}$				
az. $\phi_{200000000000}$ to $\phi_{400000000000}$				
ba. $\phi_{400000000000}$ to $\phi_{600000000000}$				
bb. $\phi_{600000000000}$ to $\phi_{800000000000}$				
bc. $\phi_{800000000000}$ to $\phi_{1000000000000}$				
bd. $\phi_{1000000000000}$ to $\phi_{2000000000000}$				
be. $\phi_{2000000000000}$ to $\phi_{4000000000000}$				
bf. $\phi_{4000000000000}$ to $\phi_{6000000000000}$				
bg. $\phi_{6000000000000}$ to $\phi_{8000000000000}$				
bh. $\phi_{8000000000000}$ to $\phi_{10000000000000}$				
bi. $\phi_{10000000000000}$ to $\phi_{20000000000000}$				
bj. $\phi_{20000000000000}$ to $\phi_{40000000000000}$				
bk. $\phi_{40000000000000}$ to $\phi_{60000000000000}$				
bl. $\phi_{60000000000000}$ to $\phi_{80000000000000}$				
bm. $\phi_{80000000000000}$ to $\phi_{100000000000000}$				
bn. $\phi_{100000000000000}$ to $\phi_{200000000000000}$				
bo. $\phi_{200000000000000}$ to $\phi_{400000000000000}$				
bp. $\phi_{400000000000000}$ to $\phi_{600000000000000}$				
bq. $\phi_{600000000000000}$ to $\phi_{800000000000000}$				
br. $\phi_{800000000000000}$ to $\phi_{1000000000000000}$				
bs. $\phi_{1000000000000000}$ to $\phi_{2000000000000000}$				
bt. $\phi_{2000000000000000}$ to $\phi_{4000000000000000}$				
bu. $\phi_{4000000000000000}$ to $\phi_{6000000000000000}$				
bv. $\phi_{6000000000000000}$ to $\phi_{8000000000000000}$				
bw. $\phi_{8000000000000000}$ to $\phi_{10000000000000000}$				
bx. $\phi_{10000000000000000}$ to $\phi_{20000000000000000}$				
by. $\phi_{20000000000000000}$ to $\phi_{40000000000000000}$				
bz. $\phi_{40000000000000000}$ to $\phi_{60000000000000000}$				
ca. $\phi_{60000000000000000}$ to $\phi_{80000000000000000}$				
cb. $\phi_{80000000000000000}$ to $\phi_{100000000000000000}$				
cc. $\phi_{100000000000000000}$ to $\phi_{200000000000000000}$				
cd. $\phi_{200000000000000000}$ to $\phi_{400000000000000000}$				
ce. $\phi_{400000000000000000}$ to $\phi_{600000000000000000}$				
cf. $\phi_{600000000000000000}$ to $\phi_{800000000000000000}$				
cg. $\phi_{800000000000000000}$ to $\phi_{1000000000000000000}$				
ch. $\phi_{1000000000000000000}$ to $\phi_{2000000000000000000}$				
ci. $\phi_{2000000000000000000}$ to $\phi_{4000000000000000000}$				
cj. $\phi_{4000000000000000000}$ to $\phi_{6000000000000000000}$				
ck. $\phi_{6000000000000000000}$ to $\phi_{8000000000000000000}$				
cl. $\phi_{8000000000000000000}$ to $\phi_{10000000000000000000}$				
cm. $\phi_{10000000000000000000}$ to $\phi_{20000000000000000000}$				
cn. $\phi_{20000000000000000000}$ to $\phi_{40000000000000000000}$				
co. $\phi_{40000000000000000000}$ to $\phi_{60000000000000000000}$				
cp. $\phi_{60000000000000000000}$ to $\phi_{80000000000000000000}$				
cq. $\phi_{80000000000000000000}$ to $\phi_{100000000000000000000}$				
cr. $\phi_{100000000000000000000}$ to $\phi_{200000000000000000000}$				
cs. $\phi_{200000000000000000000}$ to $\phi_{400000000000000000000}$				
ct. $\phi_{400000000000000000000}$ to $\phi_{600000000000000000000}$				
cu. $\phi_{600000000000000000000}$ to $\phi_{800000000000000000000}$				
cv. $\phi_{800000000000000000000}$ to $\phi_{1000000000000000000000}$				
cw. $\phi_{1000000000000000000000}$ to $\phi_{2000000000000000000000}$				
cx. $\phi_{2000000000000000000000}$ to $\phi_{4000000000000000000000}$				
cy. $\phi_{4000000000000000000000}$ to $\phi_{6000000000000000000000}$				
cz. $\phi_{6000000000000000000000}$ to $\phi_{8000000000000000000000}$				
ca. $\phi_{8000000000000000000000}$ to $\phi_{10000000000000000000000}$				
cb. $\phi_{10000000000000000000000}$ to $\phi_{20000000000000000000000}$				
cc. $\phi_{20000000000000000000000}$ to $\phi_{40000000000000000000000}$				
cd. $\phi_{40000000000000000000000}$ to $\phi_{60000000000000000000000}$				
ce. $\phi_{60000000000000000000000}$ to $\phi_{80000000000000000000000}$				
cf. $\phi_{80000000000000000000000}$ to $\phi_{100000000000000000000000}$				
cg. $\phi_{100000000000000000000000}$ to $\phi_{200000000000000000000000}$				
ch. $\phi_{200000000000000000000000}$ to $\phi_{400000000000000000000000}$				
ci. $\phi_{400000000000000000000000}$ to $\phi_{600000000000000000000000}$				
cj. $\phi_{600000000000000000000000}$ to $\phi_{800000000000000000000000}$				
ck. $\phi_{800000000000000000000000}$ to $\phi_{1000000000000000000000000}$				
cl. $\phi_{1000000000000000000000000}$ to $\phi_{2000000000000000000000000}$				
cm. $\phi_{2000000000000000000000000}$ to $\phi_{4000000000000000000000000}$				
cn. $\phi_{4000000000000000000000000}$ to $\phi_{6000000000000000000000000}$				
co. $\phi_{6000000000000000000000000}$ to $\phi_{8000000000000000000000000}$				
cp. $\phi_{8000000000000000000000000}$ to $\phi_{10000000000000000000000000}$				
cq. $\phi_{10000000000000000000000000}$ to $\phi_{20000000000000000000000000}$				
cr. $\phi_{20000000000000000000000000}$ to $\phi_{40000000000000000000000000}$				
cs. $\phi_{40000000000000000000000000}$ to $\phi_{60000000000000000000000000}$				
ct. $\phi_{60000000000000000000000000}$ to $\phi_{80000000000000000000000000}$				
cu. $\phi_{80000000000000000000000000}$ to $\phi_{100000000000000000000000000}$				
cv. $\phi_{100000000000000000000000000}$ to $\phi_{200000000000000000000000000}$				
cw. $\phi_{200000000000000000000000000}$ to $\phi_{400000000000000000000000000}$				
cx. $\phi_{400000000000000000000000000}$ to $\phi_{600000000000000000000000000}$				
cy. $\phi_{600000000000000000000000000}$ to $\phi_{800000000000000000000000000}$				
cz. $\phi_{800000000000000000000000000}$ to $\phi_{1000000000000000000000000000}$				
ca. $\phi_{1000000000000000000000000000}$ to $\phi_{2000000000000000000000000000}$				
cb. $\phi_{2000000000000000000000000000}$ to $\phi_{4000000000000000000000000000}$				
cc. $\phi_{4000000000000000000000000000}$ to $\phi_{6000000000000000000000000000}$				
cd. $\phi_{6000000000000000000000000000}$ to $\phi_{8000000000000000000000000000}$				
ce. $\phi_{8000000000000000000000000000}$ to $\phi_{10000000000000000000000000000}$				
cf. $\phi_{10000000000000000000000000000}$ to $\phi_{20000000000000000000000000000}$				
cg. $\phi_{20000000000000000000000000000}$ to $\phi_{40000000000000000000000000000}$				
ch. $\phi_{40000000000000000000000000000}$ to $\phi_{60000000000000000000000000000}$				
ci. $\phi_{60000000000000000000000000000}$ to $\phi_{80000000000000000000000000000}$				
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cn. $\phi_{600000000000000000000000000000}$ to $\phi_{800000000000000000000000000000}$				
co. $\phi_{800000000000000000000000000000}$ to $\phi_{1000000000000000000000000000000}$				
cp. $\phi_{1000000000000000000000000000000}$ to $\phi_{2000000000000000000000000000000}$				
cq. $\phi_{2000000000000000000000000000000}$ to $\phi_{4000000000000000000000000000000}$				
cr. $\phi_{4000000000000000000000000000000}$ to $\phi_{6000000000000000000000000000000}$				
cs. $\phi_{6000000000000000000000000000000}$ to $\phi_{8000000000000000000000000000000}$				
ct. $\phi_{8000000000000000000000000000000}$ to ϕ				

1. SAMPLE NUMBER	66-216-1	5. SAMPLER TYPE	KULLENBERG
2. LATITUDE	44° 14' N	6. WATER DEPTH (m.)	33.3
3. LONGITUDE	00° 48' W	7. CORE LENGTH (m.)	117
4. DATE (day, month, year)	8 OCTOBER 1959	8. CORE PENETRATION (m.)	132
9. LABORATORY NUMBERS	3729	9. LABORATORY NUMBERS	3730 3731 3732
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	10. SUBSAMPLE DEPTH IN CORE (m.)	17-19 46-48 71-72
11. COLOR	Light Gray (5 Y 9.2)	11. COLOR	Dark Yellowish Brown (10 YR 4/2)
12. ODR		12. ODR	
13. MET DENSITY (lb./ft. ³)		13. MET DENSITY (lb./ft. ³)	
14. RIGIDITY (mm)		14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL WEIGHTS		19. SIZE ANALYSIS AND STATISTICAL WEIGHTS	
a. -2, (<)		a. -2, (<)	
b. -2 to 10, (%)		b. -2 to 10, (%)	
c. -10 to 60, (%)		c. -10 to 60, (%)	
d. 60 to 100, (%)		d. 60 to 100, (%)	
e. 1 to 2, (%)		e. 1 to 2, (%)	
f. 2 to 3, (%)		f. 2 to 3, (%)	
g. 3 to 8, (%)		g. 3 to 8, (%)	
h. 8 to 16, (%)		h. 8 to 16, (%)	
i. 16 to 40, (%)		i. 16 to 40, (%)	
j. 40 to 60, (%)		j. 40 to 60, (%)	
k. 60 to 100, (%)		k. 60 to 100, (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	1730	20. SUBSAMPLE DRY WEIGHT (gm)	2359
21. SPECIFICITY (g./cc)		21. SPECIFICITY (g./cc)	
22. PLASTICITY (g./cc)	High	22. PLASTICITY (g./cc)	High
23. SHEAR STRENGTH (lb./sq. in.)	1/2	23. SHEAR STRENGTH (lb./sq. in.)	0
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS:	ITEMS 11-20 DETERMINED IN THE LAB scattered shell and worm burrows throughout. Color change at 17".		
SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT

1. SAMPLE NUMBER	66-216-1	5. SAMPLER TYPE	CONTINUOUS
2. LATITUDE		6. WATER DEPTH (m.)	
3. LONGITUDE		7. CORE LENGTH (m.)	
4. DATE (day, month, year)		8. CORE PENETRATION (m.)	
9. LABORATORY NUMBERS	3733	9. LABORATORY NUMBERS	3734
10. SUBSAMPLE DEPTH IN CORE (m.)	90-91	10. SUBSAMPLE DEPTH IN CORE (m.)	115-117
11. COLOR	Dark Yellowish Brown (10 YR 4/2)	11. COLOR	Dark Yellowish Brown (10 YR 4/2)
12. ODR		12. ODR	
13. MET DENSITY (lb./ft. ³)		13. MET DENSITY (lb./ft. ³)	
14. RIGIDITY (mm)		14. RIGIDITY (mm)	
15. MAXIMUM POROSITY (%)		15. MAXIMUM POROSITY (%)	
16. MINIMUM POROSITY (%)		16. MINIMUM POROSITY (%)	
17. WATER CONTENT (%)		17. WATER CONTENT (%)	
18. ORGANIC CARBON CONTENT (%)		18. ORGANIC CARBON CONTENT (%)	
19. SIZE ANALYSIS AND STATISTICAL WEIGHTS		19. SIZE ANALYSIS AND STATISTICAL WEIGHTS	
a. -2, (<)		a. -2, (<)	
b. -2 to 10, (%)		b. -2 to 10, (%)	
c. -10 to 60, (%)		c. -10 to 60, (%)	
d. 60 to 100, (%)		d. 60 to 100, (%)	
e. 1 to 2, (%)		e. 1 to 2, (%)	
f. 2 to 3, (%)		f. 2 to 3, (%)	
g. 3 to 8, (%)		g. 3 to 8, (%)	
h. 8 to 16, (%)		h. 8 to 16, (%)	
i. 16 to 40, (%)		i. 16 to 40, (%)	
j. 40 to 60, (%)		j. 40 to 60, (%)	
k. 60 to 100, (%)		k. 60 to 100, (%)	
20. SUBSAMPLE DRY WEIGHT (gm)	25.15	20. SUBSAMPLE DRY WEIGHT (gm)	26.71
21. SPECIFICITY (g./cc)		21. SPECIFICITY (g./cc)	
22. PLASTICITY (g./cc)	High	22. PLASTICITY (g./cc)	High
23. SHEAR STRENGTH (lb./sq. in.)	0	23. SHEAR STRENGTH (lb./sq. in.)	0
24. DOMINANT MINERAL (%)		24. DOMINANT MINERAL (%)	
25. SECONDARY MINERAL (%)		25. SECONDARY MINERAL (%)	
26. OTHER MINERALS (%)		26. OTHER MINERALS (%)	
27. REMARKS:		27. REMARKS:	
SEDIMENT TYPE	CLAYEY SILT	SEDIMENT TYPE	SILT CLAY

1. SAMPLE NUMBER	66-217-1 KILLENBERG			
2. LATITUDE	12° 35' N	3. WATER DEPTH (m.)	26.2	
3. LONGITUDE	68° 58' W	4. CORE LENGTH (m.)	125	
4. DATE (YY, MONTH, YEAR)	8 OCTOBER 1959	5. CORE PENETRATION (m.)		
5. LABORATORY NUMBERS	3667 *	6. CORE PENETRATION (m.)	3668	3670
10. SUBSAMPLE DEPTH IN CORE (m.)	0-2	24-26	50-52	87-89
11. COLOR	BLUE GRAY (5Y 4/1)	BLUE GRAY (5Y 4/1)	BLUE GRAY (5Y 4/1)	BLUE GRAY (5Y 4/1)
12. DOOR				
13. WET DENSITY (lb./ft. ³)				
14. RIGIDITY (cm)				
15. MAXIMUM PROSITY (%)				
16. MINIMUM PROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SITE ANALYSIS AND STATISTICAL VALUES				
a. 1-2, 45	841	865	826	840
b. 2, 10, 15	2	0-6.45	2	0-6.07
c. 2, 10, 15	18	19	21	22
d. 2, 10, 15	37	34	31	32
e. 2, 10, 15	44	45	43	44
f. 2, 10, 15	19.34	22.76	21.45	22.00
20. SUBSAMPLE DRY WEIGHT (gm)				
21. SPECIFICITY (avg.)				
22. PLASTICITY	High	High	High	High
23. SHRECK-TESTING-TEST-1/2 cm	0	0	0	0
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS:	ITEMS 11-26 DETERMINED IN THE LAB.			

* THE SAMPLE CONTAINED NUMEROUS DARK STREAKS

CORE APPEARS UNIFORM.

SEDIMENT TYPE	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT	CLAYEY SILT
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1. SAMPLE NUMBER	66-217-1 - CONTINUED			
2. LATITUDE		3. WATER DEPTH (m.)		
3. LONGITUDE		4. CORE LENGTH (m.)		
4. DATE (YY, MONTH, YEAR)		5. CORE PENETRATION (m.)		
5. LABORATORY NUMBERS	3671 *			
10. SUBSAMPLE DEPTH IN CORE (m.)	123-125			
11. COLOR	BLUE GRAY (5Y 4/1)			
12. DOOR				
13. WET DENSITY (lb./ft. ³)				
14. RIGIDITY (cm)				
15. MAXIMUM PROSITY (%)				
16. MINIMUM PROSITY (%)				
17. WATER CONTENT (%)				
18. ORGANIC CARBON CONTENT (%)				
19. SITE ANALYSIS AND STATISTICAL VALUES				
a. 1-2, 45	854	854	854	854
b. 2, 10, 15	2	0-6.45	2	0-6.45
c. 2, 10, 15	18	18	18	18
d. 2, 10, 15	36	36	36	36
e. 2, 10, 15	44	44	44	44
f. 2, 10, 15	22.64	22.64	22.64	22.64
20. SUBSAMPLE DRY WEIGHT (gm)				
21. SPECIFICITY (avg.)				
22. PLASTICITY	High	High	High	High
23. SHRECK-TESTING-TEST-1/2 cm	0	0	0	0
24. DOMINANT MINERAL (%)				
25. SECONDARY MINERAL (%)				
26. OTHER MINERALS (%)				
27. REMARKS:				

SEDIMENT TYPE CLAYEY SILT

U. S. Naval Oceanographic Office
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 1965, 177 p., including 22 figures, 2 tables,
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Contains Bottom Sediment results and Sonoprobe Records obtained during 1959 Penobscot Bay, Maine, inshore survey. The Sonoprobe is described and its operation is explained; geology and previous work done in area are discussed, and Sonoprobe records and Sediments are correlated. Sonoprobe records for 10 runs are presented.

Appendix contains a tabulated list of bottom sediment samples collected and bottom sediment analysis sheets for 168 bottom sediments.

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1. Bottom Sediments - Penobscot Bay, Maine
2. Sonoprobe Records - Penobscot Bay, Maine
3. Penobscot Bay, Maine - Bottom Sediments and Sonoprobe Records
4. Maine, Penobscot Bay
5. Ships - USS LITTLEHALES

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- ii. Author: Charles Ostericher, Jr.
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